

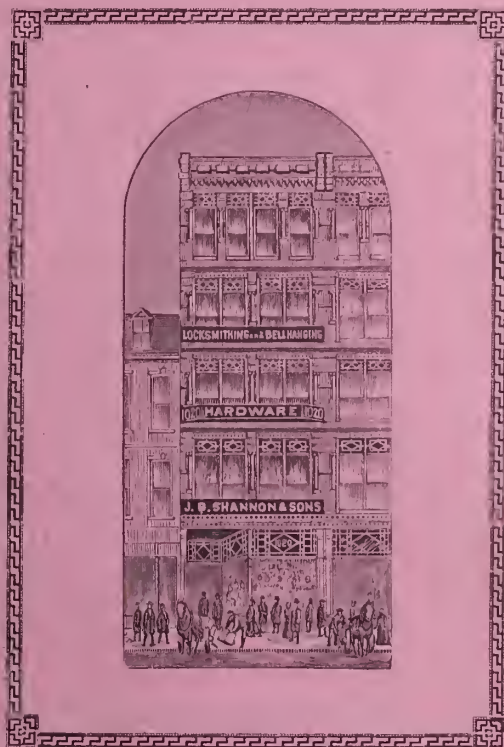
✻AUGUST, 1887.✻

✻No. 1.✻

ILLUSTRATED ❖ CATALOGUE

❖OF❖

BUILDERS' HARDWARE



J. ❖ B. ❖ SHANNON ❖ & ❖ SONS,

1020

❖MARKET
STREET,❖

PHILADELPHIA,

PENN'A.

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PHILADELPHIA, AUGUST, 1887.

We would respectfully call your attention to our large stock of

❖BUILDEBS' HARDWARE❖

which we offer at lowest market rates. If you are in need of anything in the hardware line, send us a list of what you want and we will be pleased to furnish you with an estimate. We issue the following Illustrated and Priced Catalogues showing the four lines of Hardware we manufacture and deal in; any of these catalogues will be sent by mail on receipt of stamps to pay postage.

Catalogue No. 1, Builders' Hardware.

This catalogue contains a description of Cast and Wrought Iron Butt Hinges, Bronze and imitation Bronze Loose Pin Butts, Rim Knob Locks, Mortise Knob Locks, Rim and Mortise Front Door Locks, Sliding Door Locks, Hemacite Door Knobs, Ebony Door Knobs, Bronze Door Knobs, Sliding Door Sheaves and Rail, Steel Wire Brads, Cut Nails. 112 page catalogue. Postage, 4 cents.

Catalogue No. 2, Agricultural Implements.

This catalogue contains a description of Remington Plows, Manny Mowers, Superior Grain Drills, Iron Age Cultivators, Fodder Cutters, Corn Shellers, Butter Tubs, Cucumber Pumps, Barbed Fence Wire. 162 pages catalogue. Postage, 5 cents.

Catalogue No. 3, Mechanics' Tools.

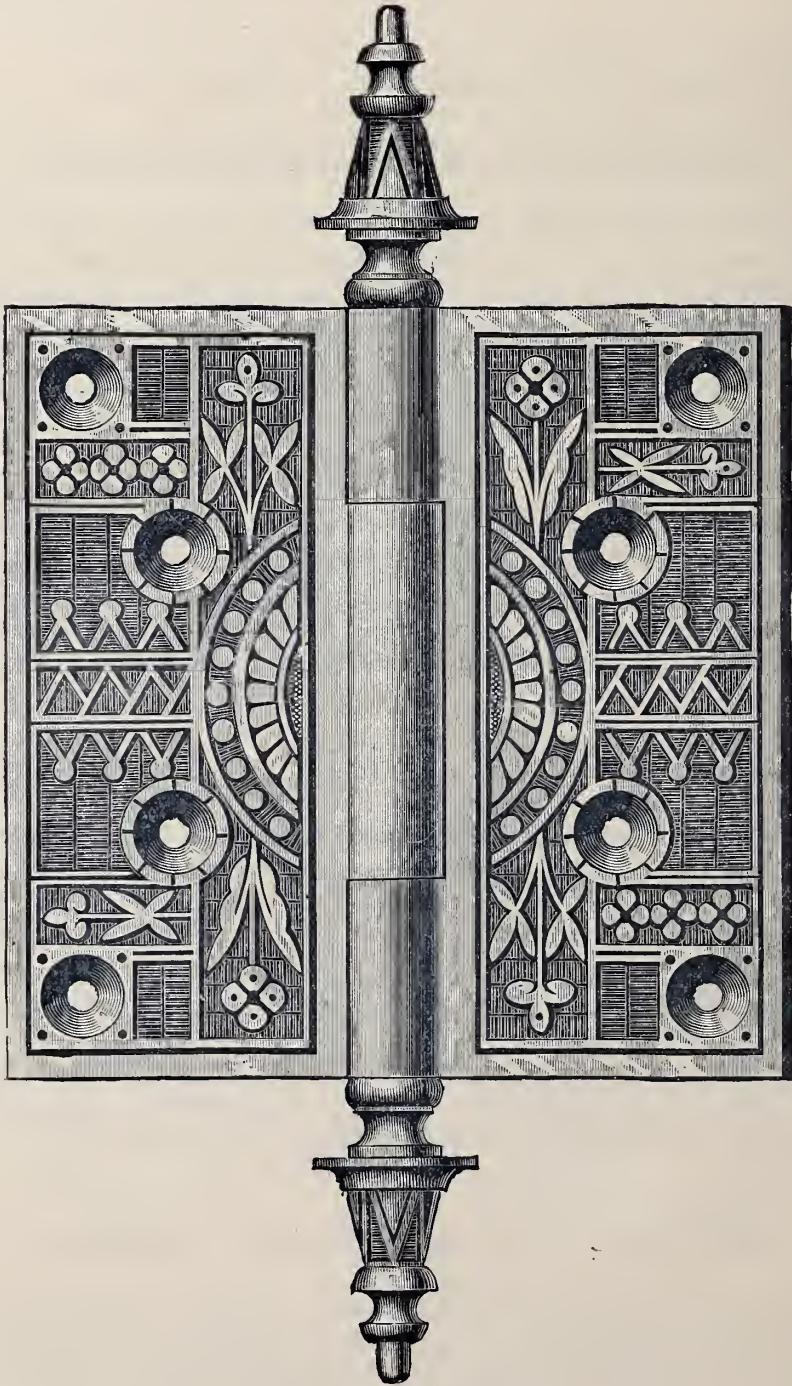
This catalogue contains a description of Disston's Saws, Butcher's Chisels and Gouges, Pugh's Auger Bits, Bailey's Adjustable Iron and Wood Planes, Hammers, Hatchets, Rules, Braces, Level. 64 page catalogue. Postage, 2 cents.

Catalogue No. 4, Cabinet Hardware.

This catalogue contains a description of fine Cabinet Hardware of our own make, consisting of Antique Drawer and Cabinet Handles and Escutcheons, Door and Drawer Locks, Easel Fixtures, Coat and Hat Hooks, Furniture Spindles, Door Knockers, Clock Finials. 86 page catalogue. Postage, 4 cents.

Ornamental Loose Pin Butts.

REAL BRONZE.



No. 274. Real Bronze.

Sizes, 3 x 3
Per pair, \$0.95

3½ x 3½
1.10

4 x 4
1.30

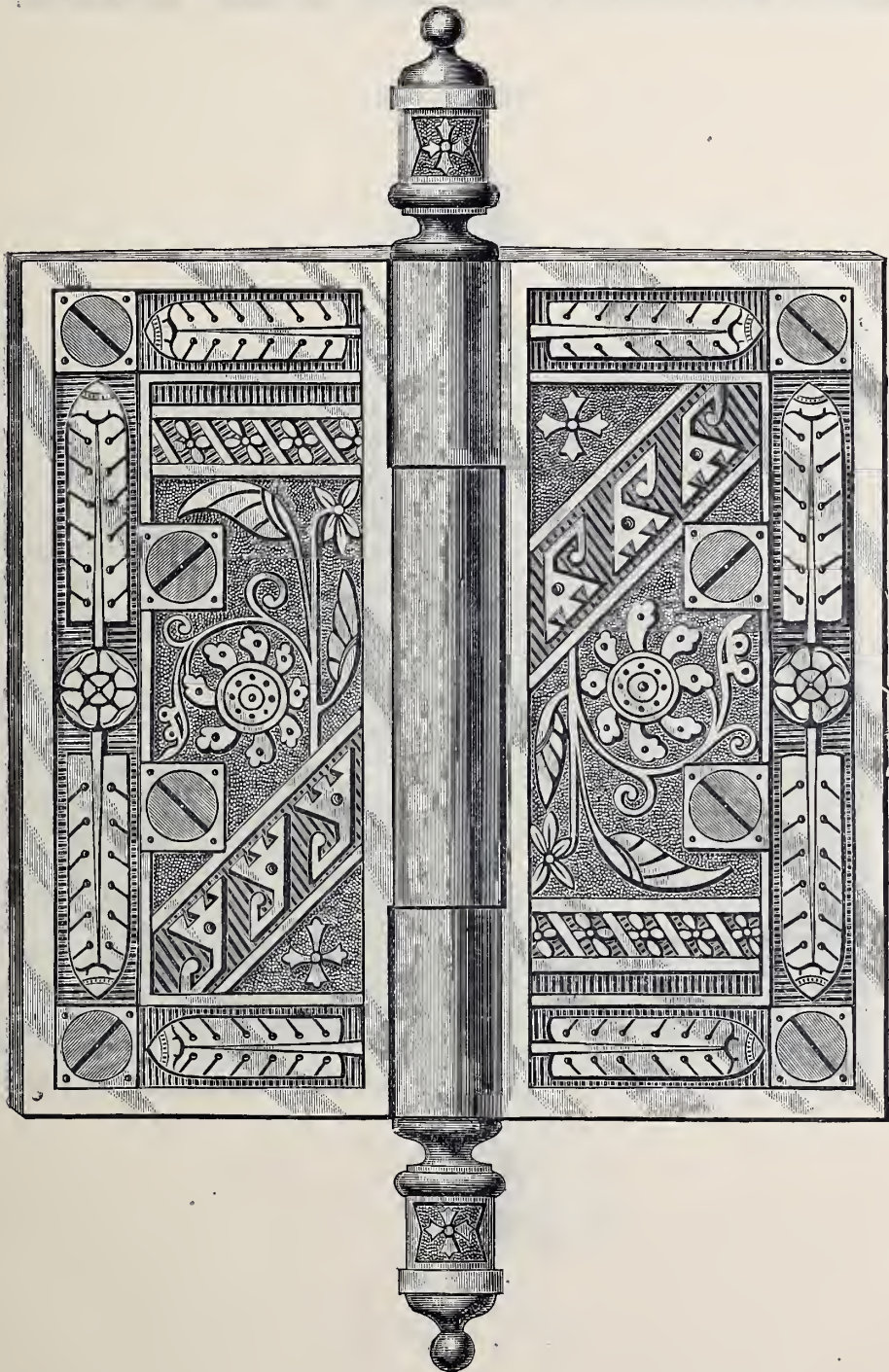
4½ x 4½
1.50

5 x 5 inch.
1.75

FOR RIGHT OR LEFT HAND DOORS.

ORNAMENTAL LOOSE PIN BUTTS.

REAL BRONZE.



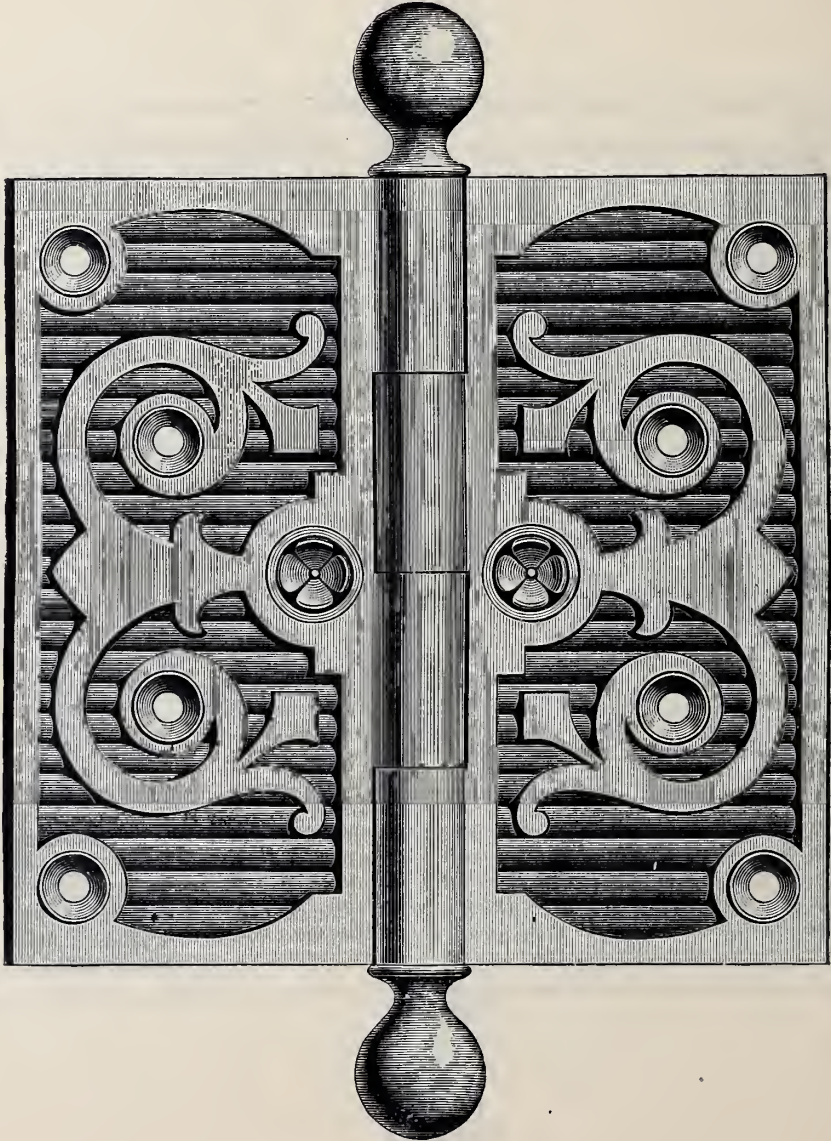
No. 276.—Real Bronze.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair,.....	\$1.00	1.20	1.35	1.80	2.00

FOR RIGHT OR LEFT HAND DOORS.

Ornamental Loose Pin Butts.

REAL BRONZE



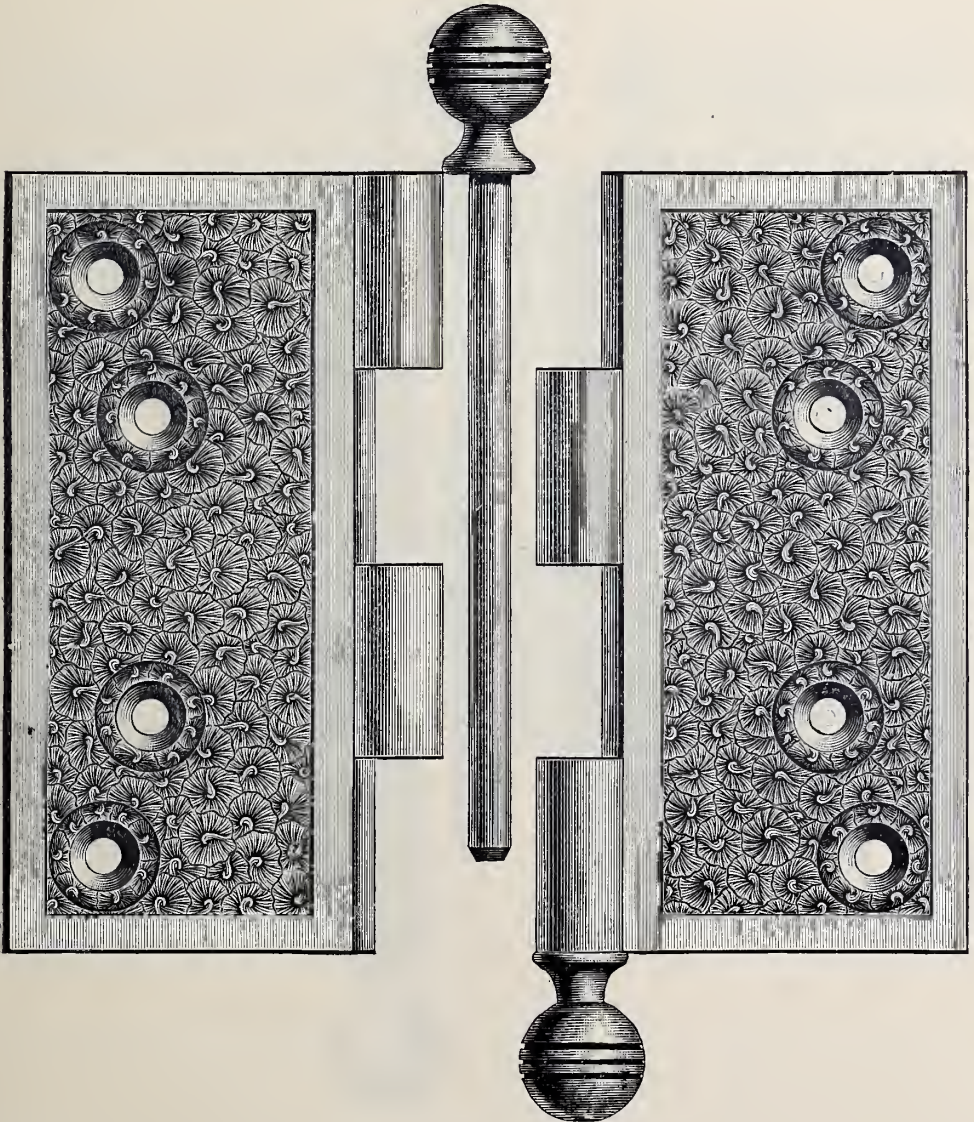
No. 279. Real Bronze.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair,.....	\$1.15	1.35	1.60	2.00	2.25

FOR RIGHT OR LEFT HAND DOORS.

Ornamental Loose Pin Butts.

REAL BRONZE.



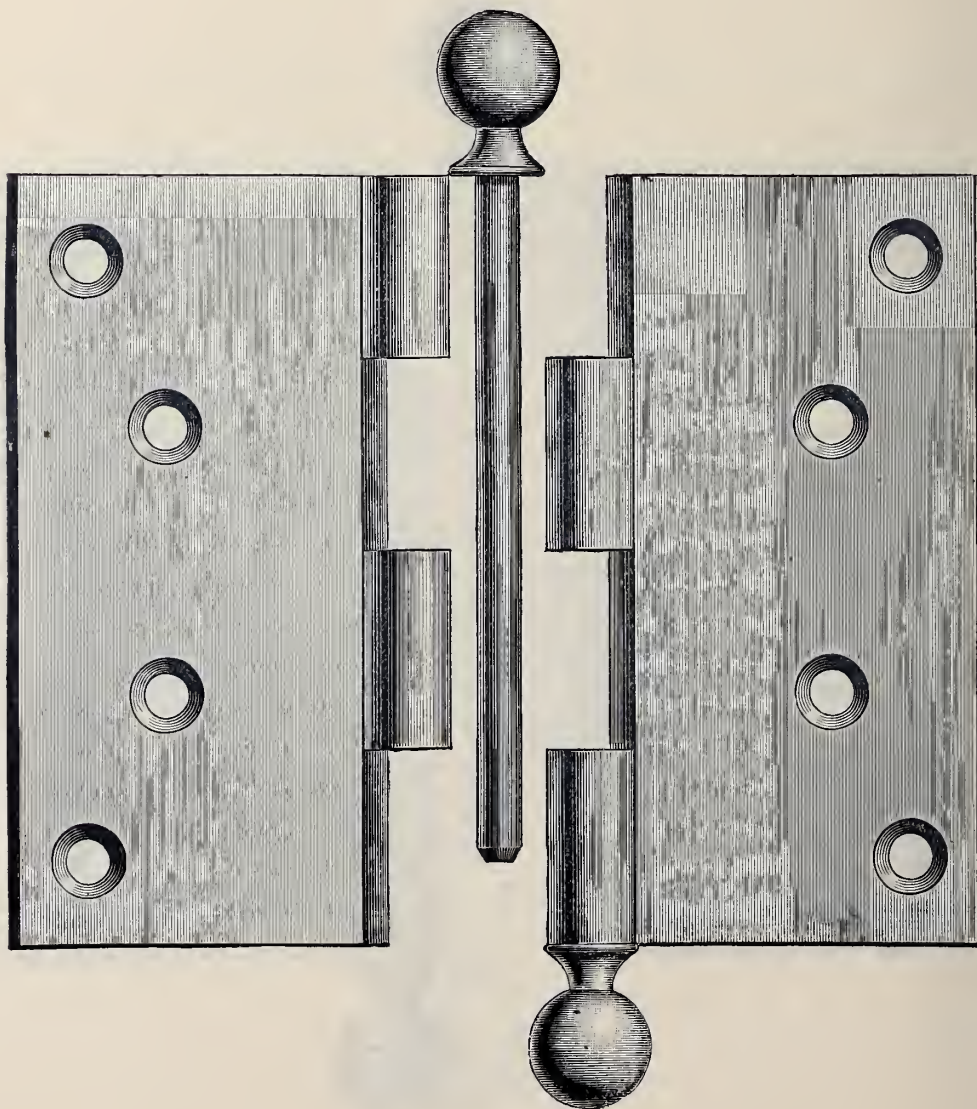
No. 292. Real Bronze.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair,.....	\$1.40	1.75	2.00	2.40	2.85

FOR RIGHT OR LEFT HAND DOORS.

Fine Polished Loose Pin Butts.

REAL BRONZE.

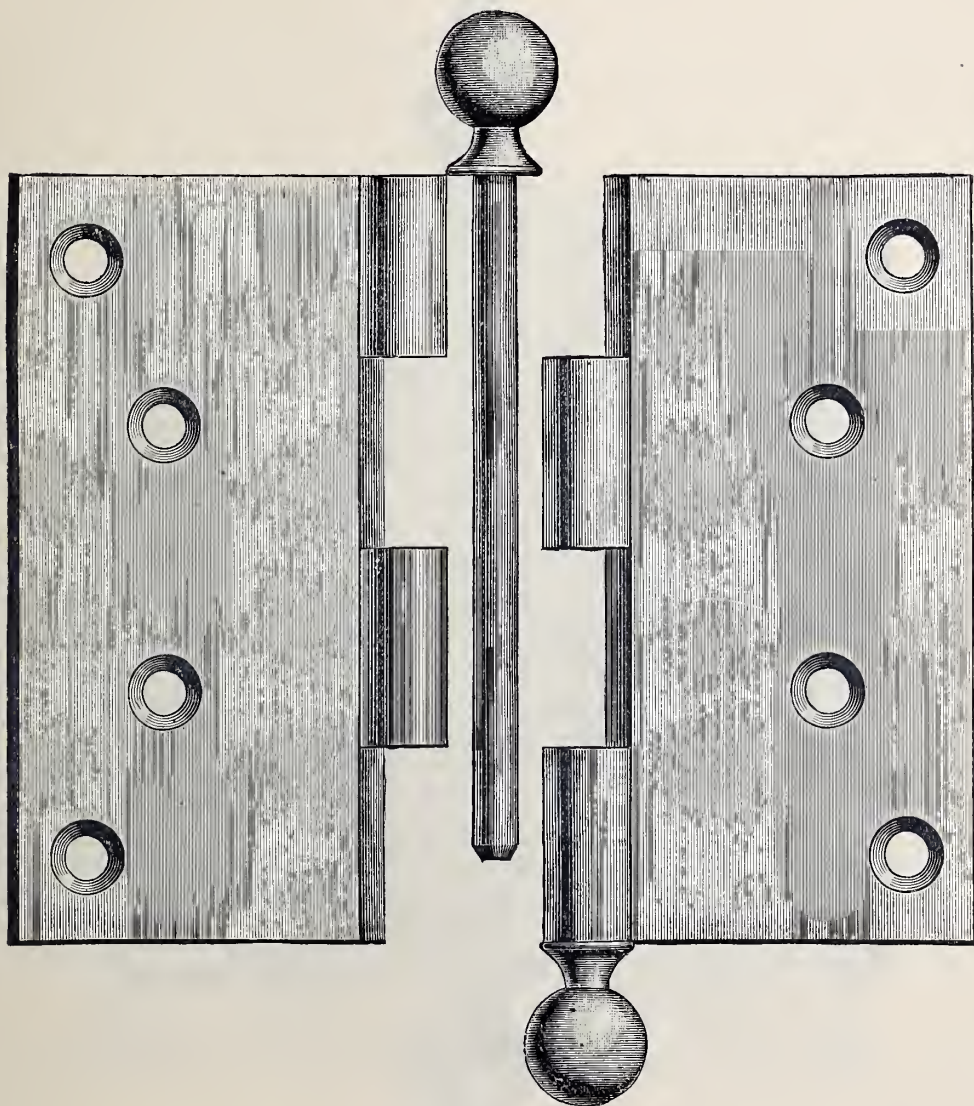


No. 290. Real Bronze.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair,.....	\$0.95	1.15	1.30	1.50	1.80

FOR RIGHT OR LEFT HAND DOORS.

Copper Bronzed Loose Pin Butts.



No. 273. FINE POLISHED HINGE. Copper Bronzed.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair, with Screws,..	\$0.45	.48	.50	.60	.70

No. 270. PLAIN FINISHED HINGE. Copper Bronzed.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair, with Screws,..	\$0.25	.32	.35	.45	.60

FOR RIGHT OR LEFT HAND DOORS.

Ornamental Loose Pin Butts.



No. 281. BERLIN BRONZED.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per pair,	\$0.32	.37	.42	.48	.55

No. 289. LIGHT BRONZED (Looks like Bronze Metal).

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5
Per pair,	\$0.45	.52	.55	.65	.75

No. 283. PERSIAN BRONZED (Upper surface light, and the lower surface dark bronze).

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5
Per pair,	\$0.36	.42	.45	.52	.60

FOR RIGHT OR LEFT HAND DOORS.

Ornamental Loose Pin Butts.

COPPER BRONZED.



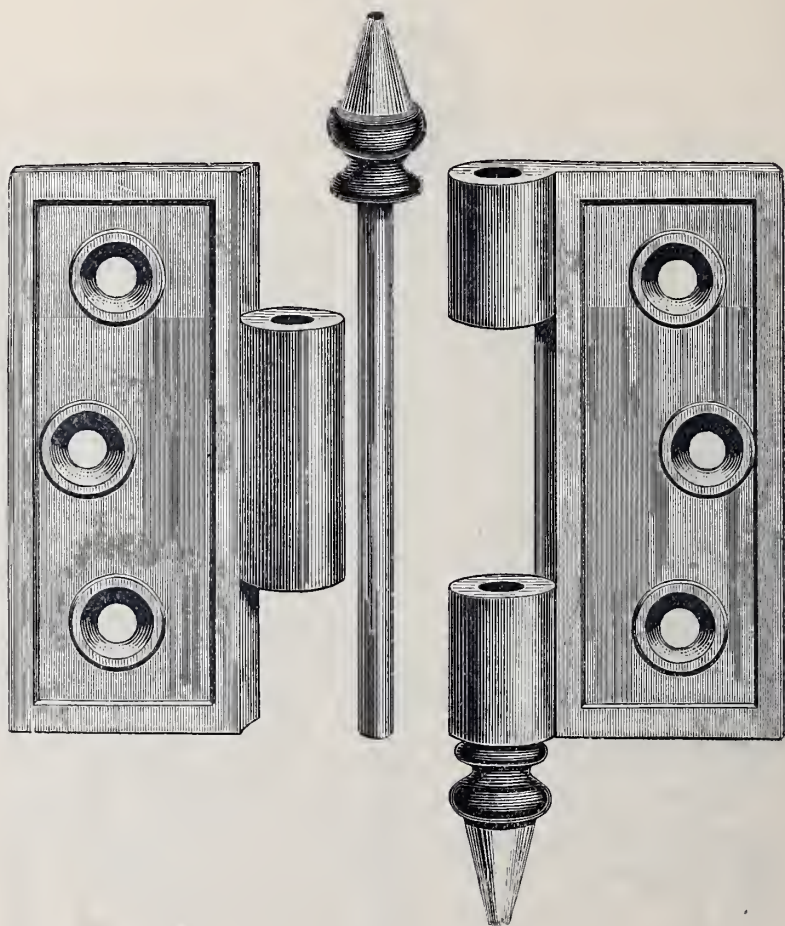
No. 282.

Sizes,.....	3 x 3	3½ x 3½	4 x 4	4½ x 4½	5 x 5 inch.
Per doz. pairs with Screws,...	\$1.85	2.20	2.50	3.50	4.50
Per pair, with Screws,.....	\$0.18	.22	.25	.35	.45

FOR RIGHT OR LEFT HAND DOOR.

Copper Bronzed Loose Pin Butts.

ACORN TIPS.



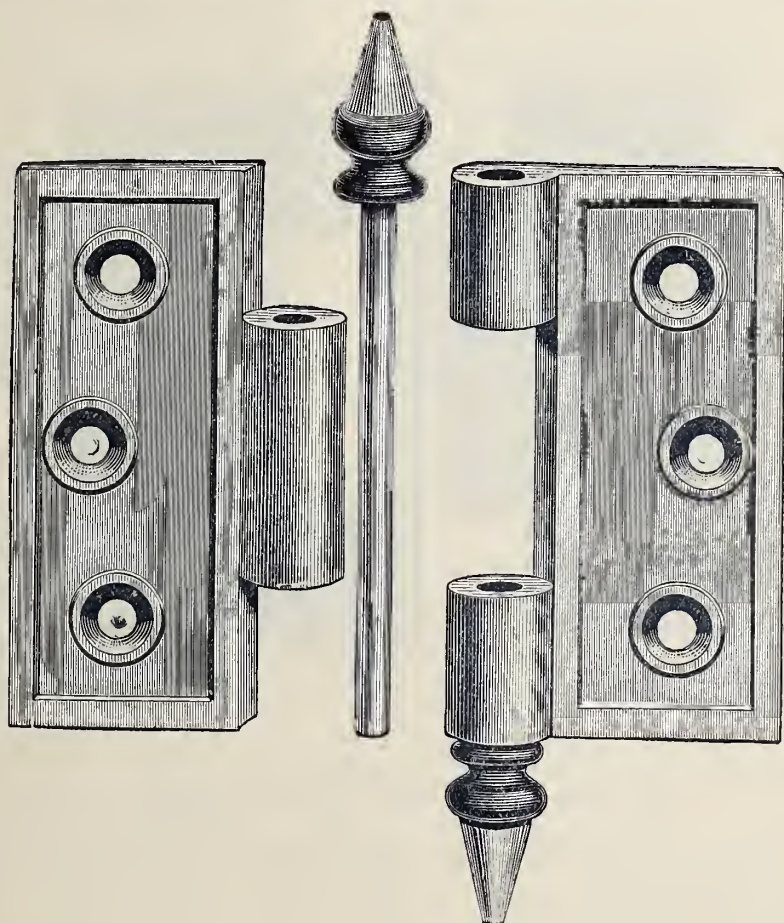
No. 142. Copper Bronzed, Loose Pin Acorn Butts.

Sizes,	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5 inch
Per dozen pairs, with Screws,	\$1.50	1.85	2.00	2.75	3.75	4.25
Per pair, with Screws,	\$0.15	.18	.22	.28	.35	.45

FOR RIGHT OR LEFT HAND DOORS.

Cast Iron Loose Pin Butts.

ACORN TIPS.



No. 262. PLAIN IRON, Loose Pin Acorn Butts.

Sizes,	$2\frac{1}{2} \times 2\frac{1}{2}$	3x3	$3\frac{1}{2} \times 3\frac{1}{2}$	4x4	$4\frac{1}{2} \times 4\frac{1}{2}$	5x5 inch.
Per dozen pairs, without Screws,.....	\$0.45	.55	.75	.95	1.35	1.85
Per pair, with Screws,.....	\$0.08	.09	.12	.14	.17	.22

No. 263. JAPANNED IRON, Loose Pin Acorn Butts.

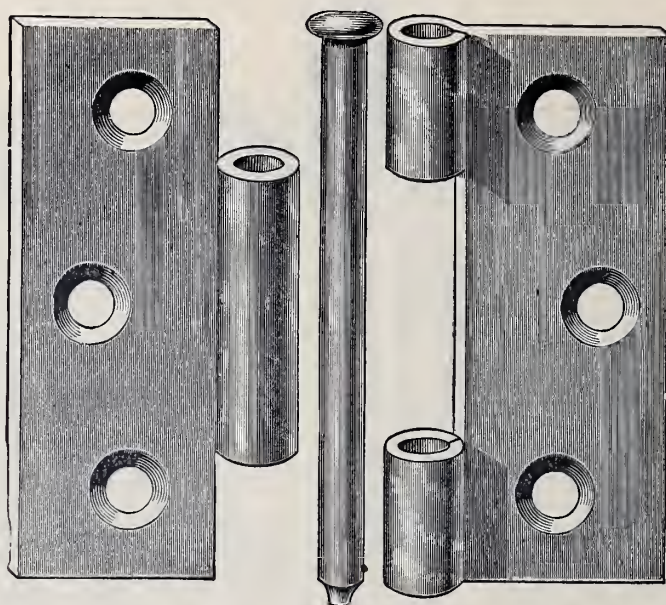
Sizes,.....	$2\frac{1}{2} \times 2\frac{1}{2}$	3x3	$3\frac{1}{2} \times 3\frac{1}{2}$	4x4	$4\frac{1}{2} \times 4\frac{1}{2}$	5x5 inch.
Per dozen pairs, without Screws,.....	\$0.90	.95	1.15	1.40	1.85	2.40
Per pair, with Screws,...	\$0.13	.14	.16	.17	.22	.30

No. 266. JAPANNED IRON, PLATED Acorn Tips.

Sizes,.....	$2\frac{1}{2} \times 2\frac{1}{2}$	3x3	$3\frac{1}{2} \times 3\frac{1}{2}$	4x4	$4\frac{1}{2} \times 4\frac{1}{2}$	5x5 inch.
Per dozen pairs, without Screws,.....	\$2.00	2.10	2.60	3.00	3.25	4.20
Per pair, with Screws,.....	\$0.25	.28	.30	.32	.38	.50

FOR RIGHT OR LEFT HAND DOORS.

Wrought Iron Butts.



No. 252. WROUGHT IRON LOOSE PIN BUTTS.

Sizes,.....	$2\frac{1}{2} \times 2\frac{1}{2}$	3×3	$3\frac{1}{2} \times 3\frac{1}{2}$	4×4	$4\frac{1}{2} \times 4\frac{1}{2}$	5×5 inch.
Per dozen pairs, without Screws,	\$0.55	.75	1.10	1.25	1.70	2.20
“ pair, with Screws,.....	\$0.10	.12	.15	.18	.22	.28

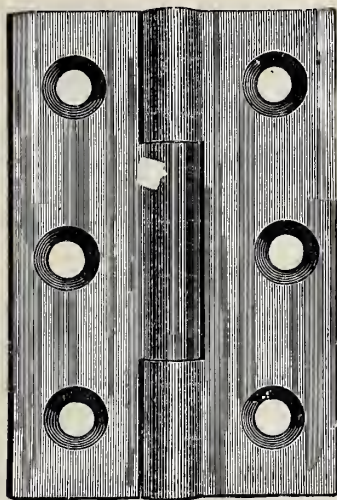
No. 253. WROUGHT IRON LOOSE JOINT BUTTS.

Sizes,.....	$2\frac{1}{2} \times 2\frac{1}{2}$	3×3	$3\frac{1}{2} \times 3\frac{1}{2}$	4×4	$4\frac{1}{2} \times 4\frac{1}{2}$	5×5 inch.
Per dozen pairs, without Screws,	\$0.55	.75	1.10	1.25	1.70	2.20
“ pair, with Screws,.....	\$0.10	.12	.15	.18	.22	.28

No. 254. WROUGHT IRON FAST JOINT BUTTS.

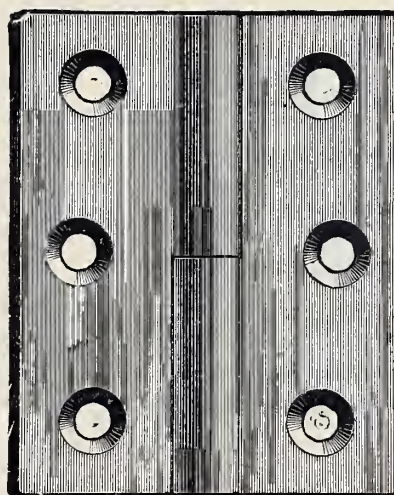
Sizes,.....	$2\frac{1}{2} \times 2\frac{1}{2}$	3×3	$3\frac{1}{2} \times 3\frac{1}{2}$	4×4	$4\frac{1}{2} \times 4\frac{1}{2}$	5×5 inch.
Per dozen pairs, without Screws,	\$0.45	.60	.95	1.20	1.70	2.15
“ pair, with Screws,.....	\$0.10	.11	.13	.18	.22	.28

Cast Iron Butts.



No. 235. Fast Joint.

Full size cut, 2½ inch.



No. 240. Loose Joint.

Full size cut, 2½ inch.

Cast Iron Narrow Butts,

No. 235. Fast Joint.

Inch.	Per doz. pairs, without screws.	Per pair, with screws.
2	\$0.30	\$0.06
2 ¼ .....	.33	.07
2 ½ .....	.35	.08
3 .....	.50	.09
3 ½ .....	.65	.11
4 .....	.75	.13

Cast Iron Broad Butts,

No. 245. Fast Joint.

Inch.	Per doz. pairs, without screws.	Per pair, with screws.
2 x2	\$0.50	\$0.09
2 x2 ½ .....	.60	.10
2 ½ x2 ½ .....	.65	.11
2 ½ x3 .....	.75	.12
3 x3 .....	.88	.13
3 x3 ½	1.05	.14
3 ½ x3 ½	1.15	.16
3 ½ x4	1.38	.17
4 x4	1.45	.20
4 x4 ½	1.75	.22
4 ½ x4 ½	2.00	.25
5 x5	2.75	.36
5 ½ x5 ½	3.40	.40
6 x6	4.15	.50

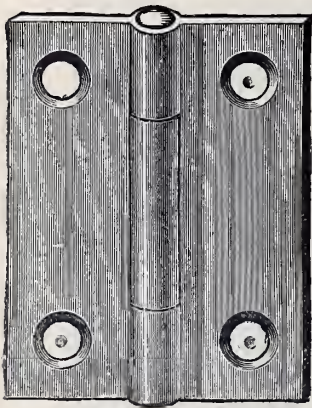
No. 240. Loose Joint.

Inch.	Per doz. pairs, without screws.	Per pair, with screws.
2	\$0.36	\$0.06
2 ½ .....	.42	.08
3 .....	.55	.10
3 ½ .....	.70	.13

No. 250. Loose Joint.

Inch.	Per doz. pairs, without screws.	Per pair, with screws.
2 x2	\$0.36	\$0.08
2 x2 ½ .....	.42	.09
2 ½ x2 ½ .....	.50	.10
2 ½ x3 .....	.55	.11
3 x3 .....	.65	.12
3 x3 ½ .....	.70	.14
3 ½ x3 ½ .....	.88	.15
3 ½ x4	1.00	.16
4 x4	1.15	.17
4 x4 ½	1.36	.18
4 ½ x4 ½	1.55	.20
5 x5	2.10	.27
5 ½ x5 ½	2.50	.35
6 x6	3.10	.40

Wrought Iron Shutter Butts.



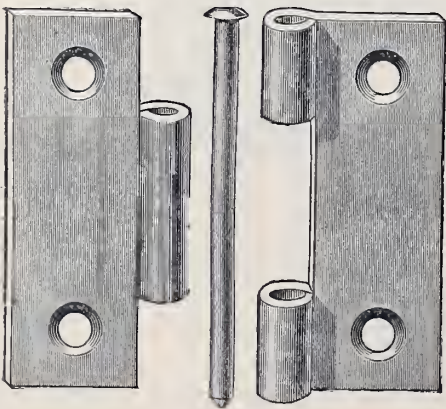
No. 295. Polished Iron.

Sizes,.....	1½	1¾	2	2¼	2½ inch.
Per doz. prs., without Screws, \$	.20	.22	.24	.27	.30
“ pair, with Screws,..... \$	.05	.05	.06	.07	.08

No. 284. Copper Bronzed.

Sizes,.....	2	2¼	2½ inch.
Per doz. prs., with Screws,...	\$0.55	.60	.70
“ pair, with Screws,..... \$	.07	.08	.09

Wrought Iron Shutter Butts.



Loose Pin.

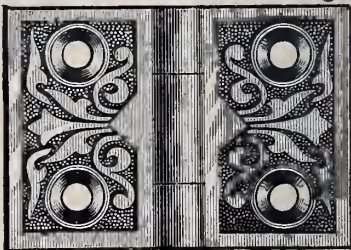
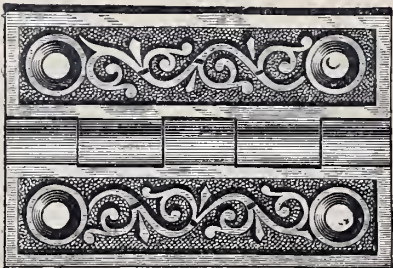
No. 293. Polished Iron.

Sizes,.....	2	2¼	2 x 2	2½ x 2½ inch.
Per doz. prs., without Screws, \$	.32	.35	.40	.45
“ pair, with Screws,..... \$	.05	.06	.06	.07

No. 298. Copper Bronzed.

Sizes,.....	2	2¼	2 x 2	2½ x 2½ inch.
Per doz. prs., with Screws,.... \$	.80	.90	.95	1.10
“ pair, with Screws,..... \$	.08	.10	.10	.12

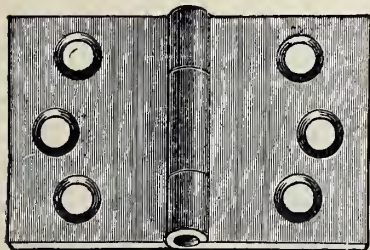
Ornamental Inside Shutter Hinges.



No.	Size.	Description.	Per dozen pairs.	Per pair.
201.	2x1¾,	Berlin Bronzed Butts, with Screws to match,.....	\$1.10	\$0.12
202.	2x1¾,	Bronze Metal Butts, with Bronze Screws,.....	3.75	.38
203.	1¼x2¼,	Berlin Bronzed Back Flaps with Screws to match,.....	1.50	.15
204.	1¼x2¼,	Bronze Metal Back Flaps with Bronze Screws,....	2.85	.28

Wrought Iron Back Flaps.

No. 296. Polished Iron.

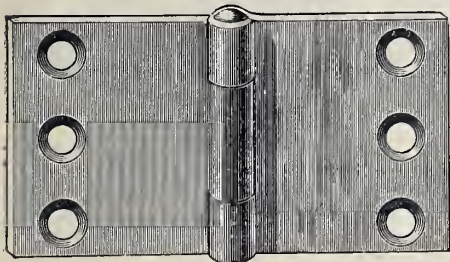


Sizes,.....	1 1/8	1 1/4	1 3/8	1 1/2 inch.
Per dozen pairs, without Screws,...	\$0.22	.24	.27	.30
" pair, with Screws,.....	\$0.05	.05	.06	.07

No. 332. Copper Bronzed Iron.

Sizes,.....	1 1/8	1 1/4	1 3/8 inch.
Per dozen pairs, with Screws,..	\$0.48	.50	.55
" pair, with Screws,.....	\$0.06	.07	.08

No. 334. Polished Iron.

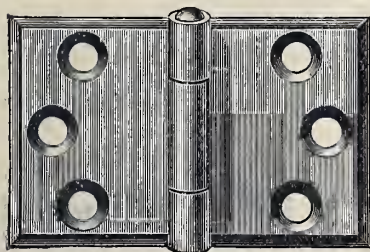


Sizes,.....	1 1/4 x 1 7/8	1 1/4 x 2 1/4 inch.
Per doz. prs., without Screws,	\$0.28	.30
" pair, with Screws,.....	\$0.06	.06

No. 335. Copper Bronzed.

Sizes,.....	1 1/4 x 1 7/8	1 1/4 x 2 1/4 inch.
Per doz. prs., with Screws,..	\$0.60	.70
" pair, with Screws,.....	\$0.08	.09

No. 331. Polished Iron Beveled Edges.

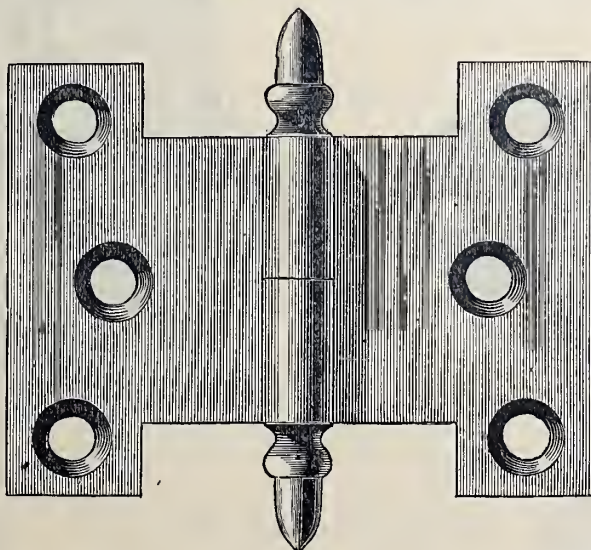


Sizes,.....	1 1/8	1 1/2 inch.
Per dozen pairs, without Screws,....	\$0.35	.40
Per pair, with Screws,.....	\$0.06	.07

No. 333. Copper Bronzed Iron.

Sizes,.....	1 1/8	1 1/2 inch.
Per dozen pairs, with Screws,.....	\$0.60	.65
Per pair, with Screws,.....	\$0.08	.09

COPPER BRONZED PARLIAMENT BUTTS.

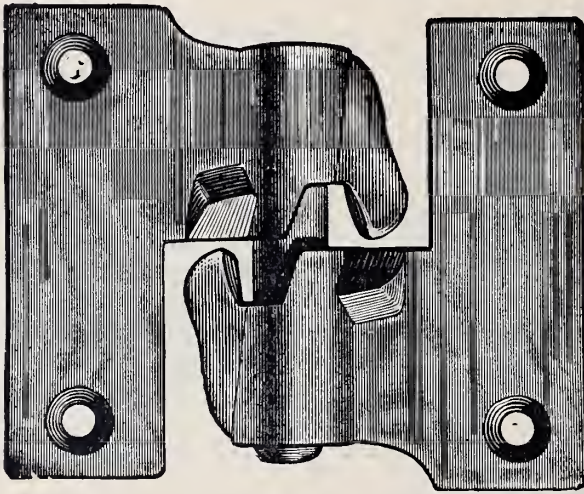


294.

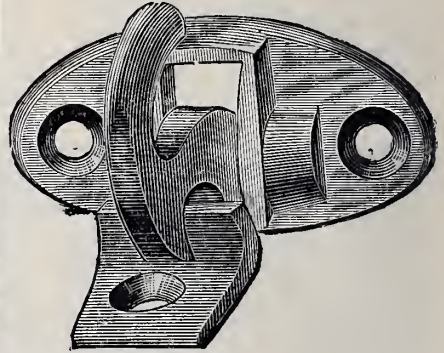
Size.	Per dozen pairs, with Screws.	Per pair, with Screws.
3 in. when open.....	\$3.15	\$0.32
4 " "	3.60	.35
5 " "	4.50	.45

When ordering please state Hand wanted.

Lull & Porter's Self-fastening Shutter Hinges.



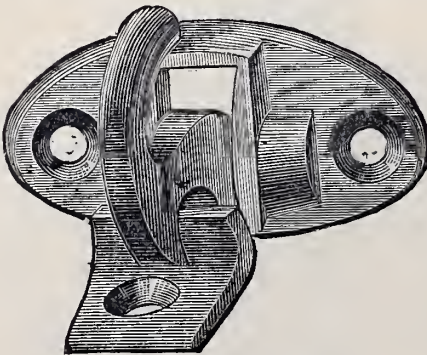
WITH INSIDE FASTENINGS.



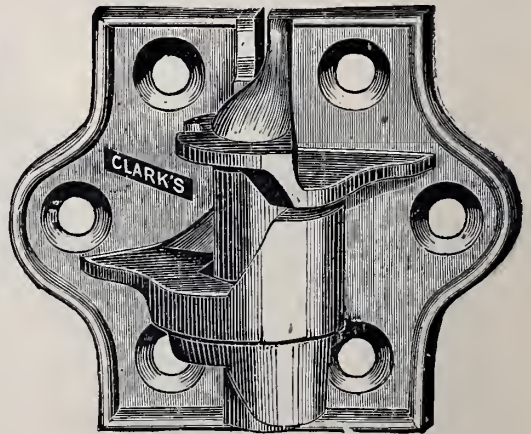
Lull & Porter Shutter Hinges.

Nos.,.....	3	2½	2	1½	1	0
Sizes when open,.....	3⅛	3⅝	4½	5	5½	6½ in.
Per dozen pairs, without Screws,.....	\$0.60	.70	.75	.80	1.00	1.10
Per pair, with Screws,.....	\$0.10	.11	.12	.14	.16	.18

Clark's Surface Gravity Locking Blind Hinges and Fastenings.



Blind Fastening without Spring.



Full Size Cut of No. 1.

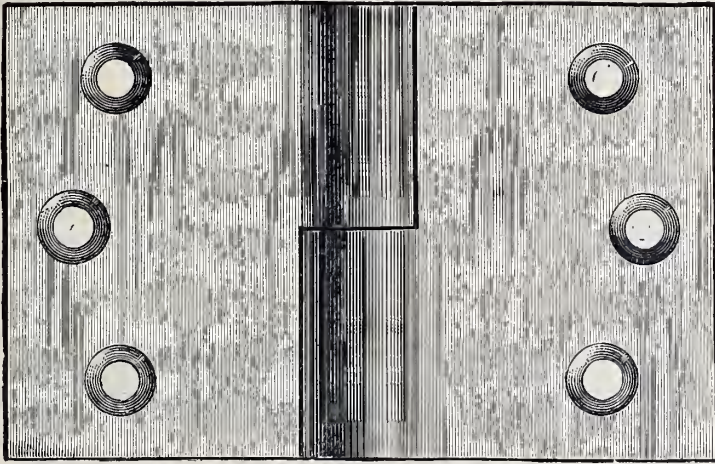
Will not Rattle or close by the Wind.

No. 1.	Throws the Blind	1¼ inches from casing,.....	\$0.45
" 3.	" " "	3¼ " " " .....	.72
" 5.	" " "	4½ " " "	1.35

Per dozen pairs without Screws.

Mayer Hinges.

FOR OUTSIDE SHUTTERS.



Nos.,.....	0	1	2	3	4	5
Sizes when open,.....	2x3¼	2¼x3½	2½x3¾	2¾x4	3x4¼	3¼x4½ in.
Per doz. pairs, without Screws, \$	0.55	.60	.70	.80	1.10	1.20
Per pair, with Screws, \$	0.10	.10	.11	.12	.16	.17

Shutter Stays.



No. 555.

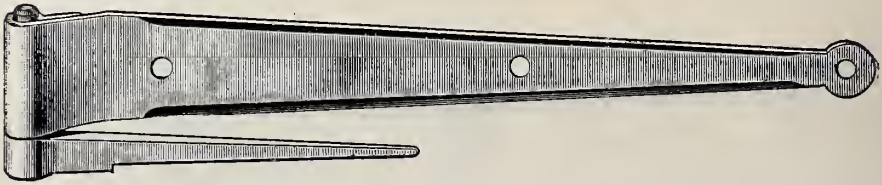
- No.
555. Japanned Shutter Stays, to
drive, doz. pairs, \$0.65
556. Galvanized Shutter Stays, to
drive, doz. pairs, \$1.15
560. Japanned Shutter Stays, to
Screw on, doz. pairs, \$0.70
561. Galvanized Shutter Stays, to
Screw on, doz. pairs, \$1.40



No. 560.

Wrought Iron Shutter Hinges.

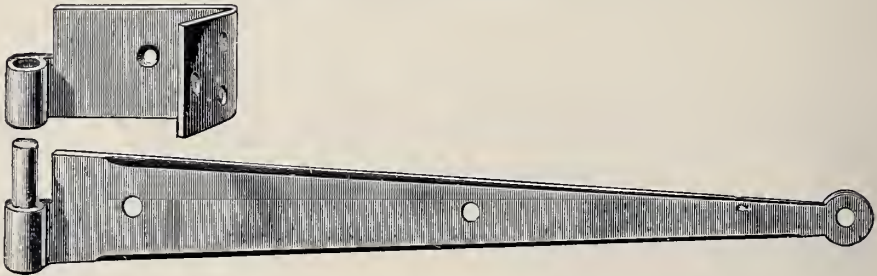
12, 13, 14, 15, 16, 17 inches long.



- No. 260. Light Wrought Iron Shutter Hinges and Hooks, with Rivets,
Rings and Staples, Turnbuckles to drive,.....per set, \$0.42
- No. 1260. Extra Heavy Wrought Iron Shutter Hinges and Hooks, with
Rivets, Rings and Staples, Turnbuckles to drive,.....per set, .80

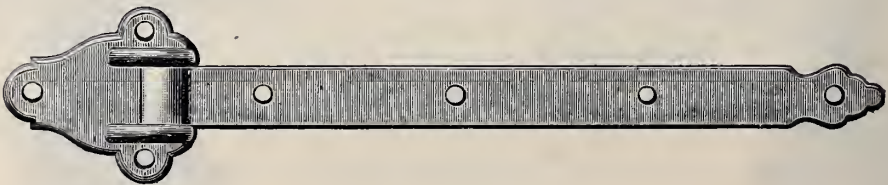
Wrought Iron Reveal Hinges.

12, 13, 14, 15, 16, 17 inches long.



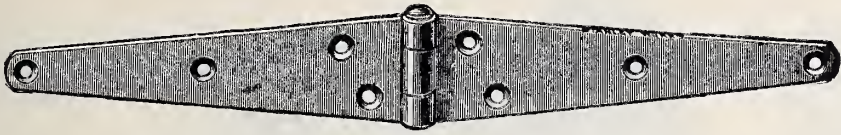
- No. 261. Light Wrought Iron Reveal Hinges and Eyes, with Rivets,
Rings and Staples, Turnbuckles to drive,.....per set, \$0.55
- No. 1261. Extra Heavy Wrought Iron Reveal Hinges and Eyes, with
Rivets, Rings and Staples, Turnbuckles to drive,.....per set, 1.00

Wrought Iron Plate Hinges.



6	8	10	12	14 inch
\$1.25	\$1.60	\$1.75	\$2.25	\$3.25 per dozen pairs.
.15	.18	.20	.28	.28 per pair, with Screws..

Strap Hinges.



No. 665.

No. 665. Light Strap Hinges,....	3	4	5	6	8	10	12	14 inch.
Per dozen pairs, without Screws,..	\$0.40	.48	.56	.70	1.00	1.40	2.40	3.00
Per pair, with Screws,.....	\$0.07	.08	.10	.12	.15	.20	.30	.35
No. 666. Heavy Strap Hinges,...	5	6	8	10	12	14 inch.		
Per dozen pairs, without Screws, ..	\$0.75	1.00	2.00	2.75	4.00	4.35		
Per pair, with Screws,.....	\$0.12	.15	.25	.35	.40	.50		

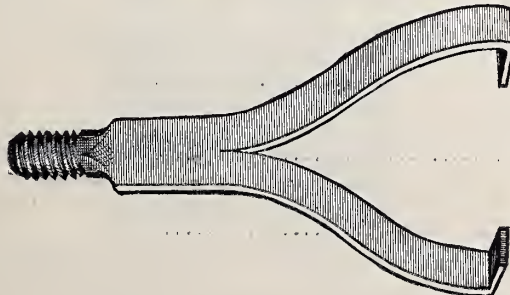
T Hinges.



No. 667.

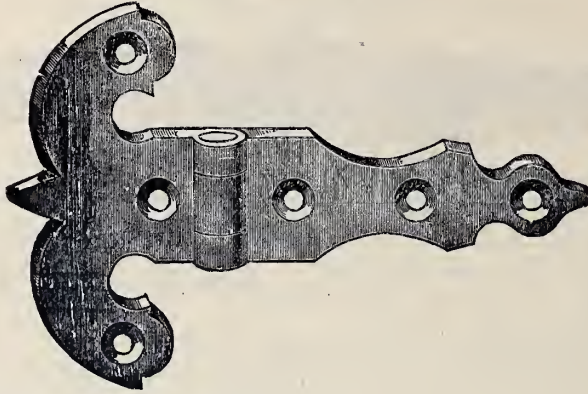
No. 667. Light T Hinges,.....	3	4	5	6	8	10	12	14 inch.
Per dozen pairs, without Screws, ..	\$0.40	.45	.55	.60	.75	1.00	1.50	2.00
Per pair, with Screws,	\$0.07	.08	.10	.12	.15	.18	.20	.30
No. 668. Heavy T Hinges,.....	6	8	10	12	14 inch.			
Per dozen pairs, without Screws, ..	\$0.70	.90	1.30	2.00	2.85			
Per pair, with Screws,.....	\$0.12	.15	.20	.25	.35			
No. 672. Extra Heavy T Hinges, ..	6	8	10	12	14	16 inch.		
Per dozen pairs, without Screws, ..	\$1.20	1.90	2.85	3.90	4.25	4.60		
Per pair, with Screws,.....	\$0.18	.25	.35	.45	.50	.55		

Jamb Screws.



		Per doz.	Each
No. 693. Light Jamb Screws,.....		\$0.95	.12
No. 694. Heavy "		\$1.30	.15

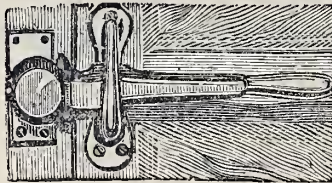
Heavy Brass Hinges.



No. 314.	4¾-inch	Cast Brass Hinges, Polished,	per pair, \$0.35
No. 315.	6	" " " " " "	" .45
No. 316.	9	" " " " " "	" .80
No. 317.	11	" " " " " "	" 1.25

Condit's Refrigerator Door Fastener.

It closes the door absolutely air tight. Insures a lower and dryer temperature than by any other means.



No matter how cheap Ice may be, they will SAVE more than TEN times their cost in one season only.

For Packing-Houses, Breweries, and very large Ice-Houses.

	Japanned.	Galvanized.	Brass.	Nickel-Plated.
No. 1. 12-inch Lever,	\$1.00	\$1.25	\$2.75	\$3.00 each.

For Butchers, Hotels, Steamboats, Commission Houses, etc.

	Japanned.	Galvanized.	Brass.	Nickel-Plated.
No. 2. 9-inch Lever,	\$0.75	\$1.00	\$1.50	\$1.75 each.

For Bunker-Doors, and on Lager Beer Boxes.

	Japanned.	Galvanized.	Brass.	Nickel-Plated.
No. 3. 6½-inch Lever,	\$0.45	\$0.65	\$0.85	\$1.00 each.

For Lager Beer and Family Boxes.

	Japanned.	Galvanized.	Brass.	Nickel-Plated.
No. 4. 5½-inch Lever,	\$0.25	\$0.30	\$0.60	\$0.75 each.

Conroy's Refrigerator Door Fastener.

For Packing-Houses and Brewery Cooling Rooms.

	Japanned.	Galvanized.	Brass.
No. 1.	\$0.70	\$0.90	\$1.80 each.

For Butchers' and Provision Dealers' Ice Boxes.

	Japanned.	Galvanized.	Brass.
No. 2.	\$0.60	\$0.80	\$1.35 each.

For Butchers' and Provision Dealers' Ice Boxes.

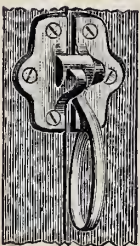
	Japanned.	Galvanized.	Brass.
No. 3.	\$0.45	\$0.60	\$0.75 each.

For Ice Boxes and Family Refrigerators.

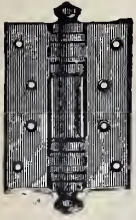
	Japanned.	Galvanized.	Brass.
No. 4.	\$0.25	\$0.25	\$0.55 each.

For Small Ice Boxes and Family Refrigerators.

	Japanned.	Galvanized.	Brass.
No. 5.	\$0.20	\$0.20	\$0.45 each.



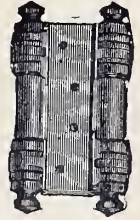
Gem Spiral Spring Butts.



SINGLE ACTING.

Being Reversible, the same Butts can be used for either

Right or Left Hand Doors.

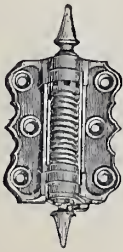


DOUBLE ACTING.

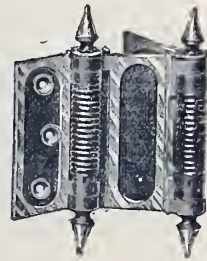
	Length of Flanges.	Single Acting.		Double Acting.	
		No.	Per pair.	No.	Per pair.
For light Screen Doors use	3 1/2 inch.	340	\$0.60	346	\$1.20
For 1 to 1 3/8 inch	" 4 "	341	.75	347	1.50
For 1 to 1 1/2 "	" 5 "	342	.95	348	1.90
For 1 to 1 3/4 "	" 6 "	343	1.25	349	2.40
For 1 1/4 to 1 7/8 "	" 7 "	344	1.50	350	3.00
For 1 1/2 to 2 1/4 "	" 8 "	345	2.15	351	4.35

Empire Spring Hinges.

SUITABLE FOR SCREEN DOORS.



SINGLE ACTING.

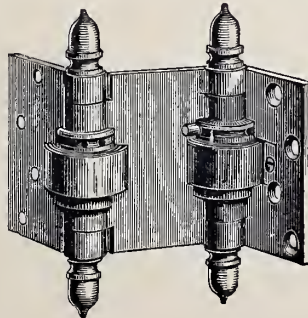


DOUBLE ACTING.

No.		Per doz.	Per pair.	No.		Per doz.	Per pair.
3.	3 inch, with Acorn Tips,	\$1.10	\$0.15	40.	3 inch, with Acorn Tips,	\$2.85	\$0.35
250.	2 1/2 " without " "	1.35	.15	2250.	3 " without " "	2.85	.35

Union Spring Hinges.

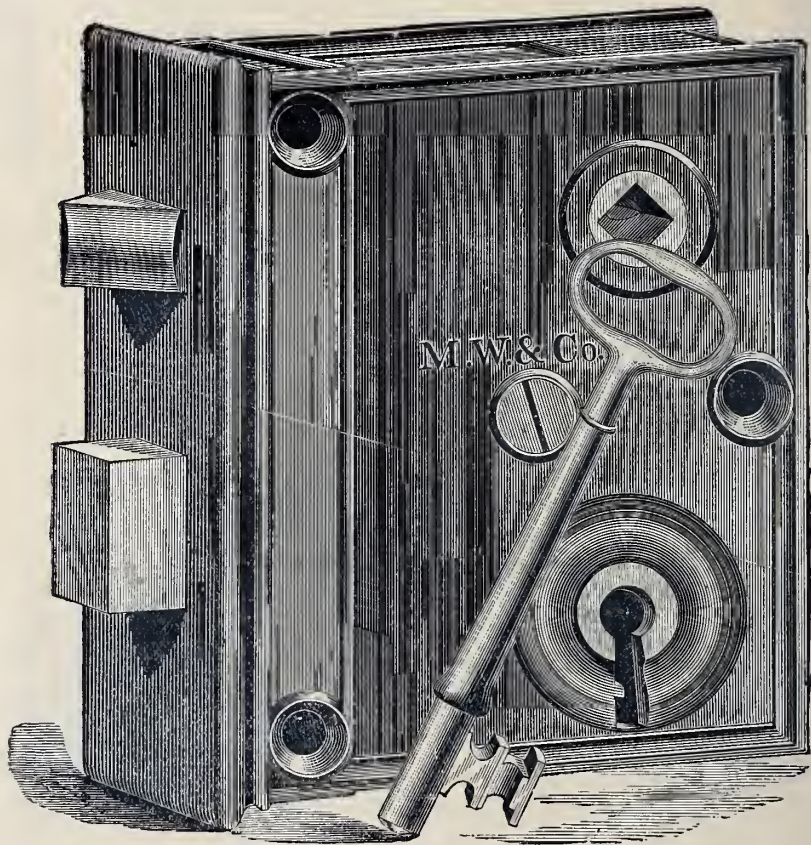
DOUBLE ACTING.



To Swing Doors both ways.

No.	Length of Flanges.	Adapted to Doors.	Per pair.
314.....	2 1/2 inch.	3/4 to 1 inch thick,	\$1.75
315.....	3 "	1 to 1 1/4 "	2.25
316.....	4 "	1 to 1 3/8 "	3.00
317.....	5 "	1 1/4 to 1 1/2 "	3.75

Upright Rib Knob Locks.

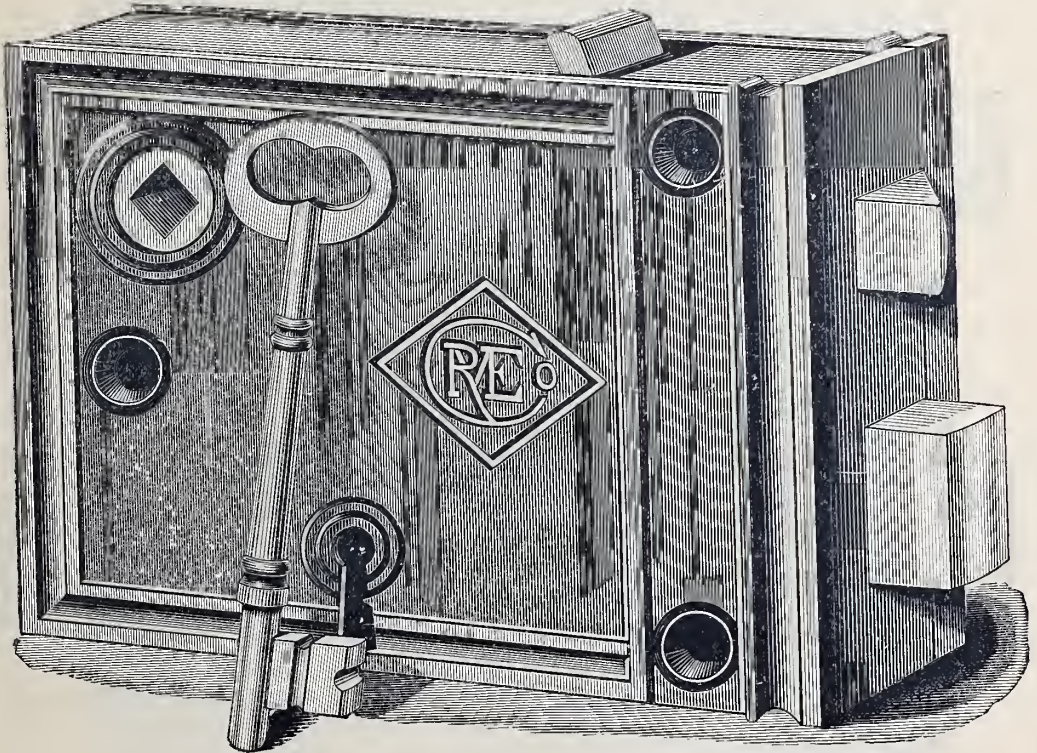


Full size cut of No. 90 Rim Knob Lock.

No. Size.		RIM KNOB LOCKS.		Per doz. Without Knobs.	Each Without Knobs.
90.	4	inch Iron Bolt, Tinned Key,		\$1.15	\$0.15
91.	4	“ “ “ Nickel Key,		1.75	.20
92.	4½	“ “ “ Tinned Key,		3.00	.30
93.	4½	“ “ “ Nickel Key,		3.85	.40
94.	4½	Brass “ “ “		4.40	.45
95.	5	“ Iron “ Tinned Key,		5.65	.55
96.	5	“ Brass “ Nickel Key,		7.25	.70
97.	5	“ “ “ “ “ three Tumblers,		9.75	.95
98.	6	“ Iron “ Tinned Key,		6.00	.60
99.	6	“ Brass “ Nickel Key,		7.75	.75
100.	6	“ “ “ “ “ three Tumblers,		11.00	1.10

REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

Horizontal Rim Knob Locks.

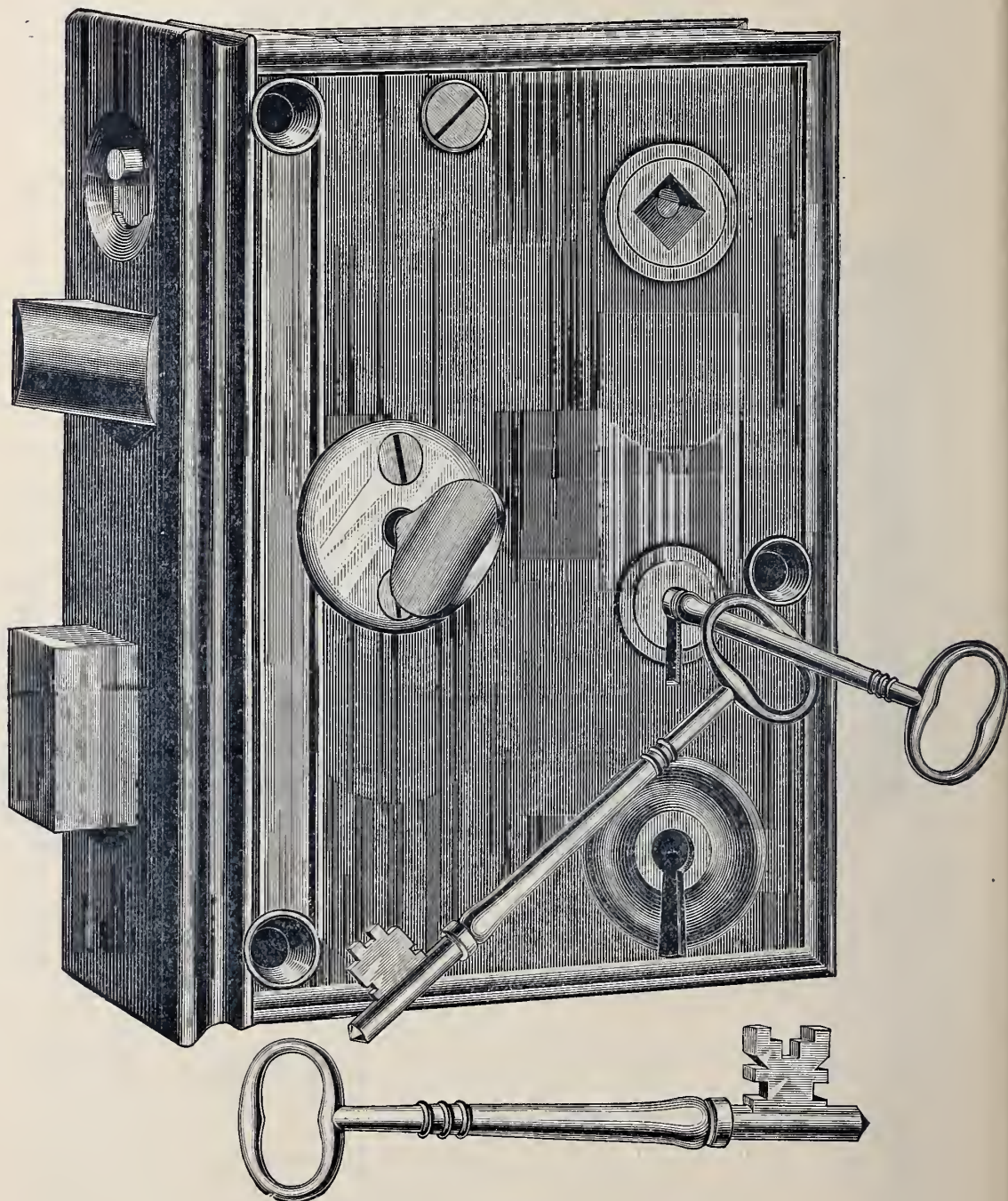


Full size cut of No. 1150 Rim Knob Lock.

No.	SIZE.	HORIZONTAL RIM KNOB LOCKS.	Per doz.	Each.
			Without Knobs.	Without Knob
1150	4 $\frac{1}{4}$ inch with Stop,	Iron Bolts, Tinned Key,.....	\$1.85	\$0.20
1151	4 $\frac{1}{4}$ " " " " " "	Brass Key,.....	\$2.55	\$0.25
1152	5 " " "	Iron Bolt, Tinned Key,.....	\$3.25	\$0.35
1153	5 " " "	Brass " Brass Key,.....	\$4.85	\$0.50
1154	6 " " "	Iron " Tinned Key,.....	\$4.65	\$0.50
1155	6 " " "	Brass " Brass Key,.....	\$6.25	\$0.65

REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

Rim Front Door Locks.

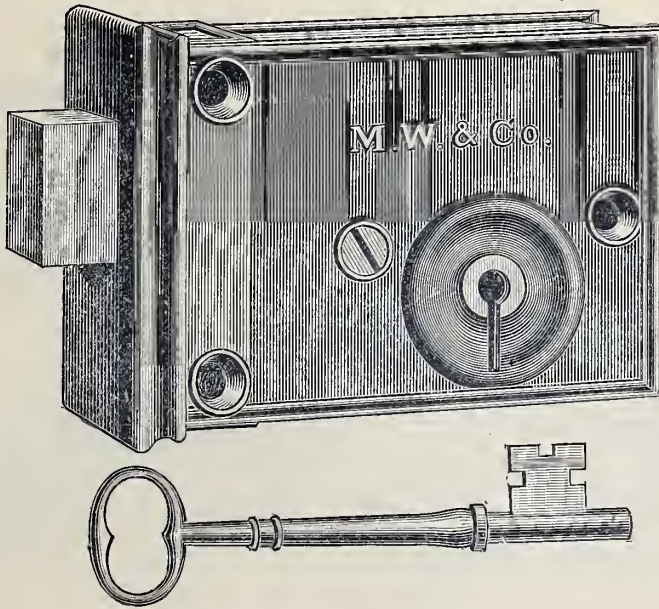


Full size cut of No. 106 Front Door Lock.

No.	Size.	UPRIGHT RIM FRONT DOOR LOCKS.	Each. Without Knobs.
105.	4¾ x 3¾ in.,	Upright Rim Front Door Lock, with two Night Keys,.....	\$1.15
106.	6 x 4¼ in.,	" " " "	1.25

REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

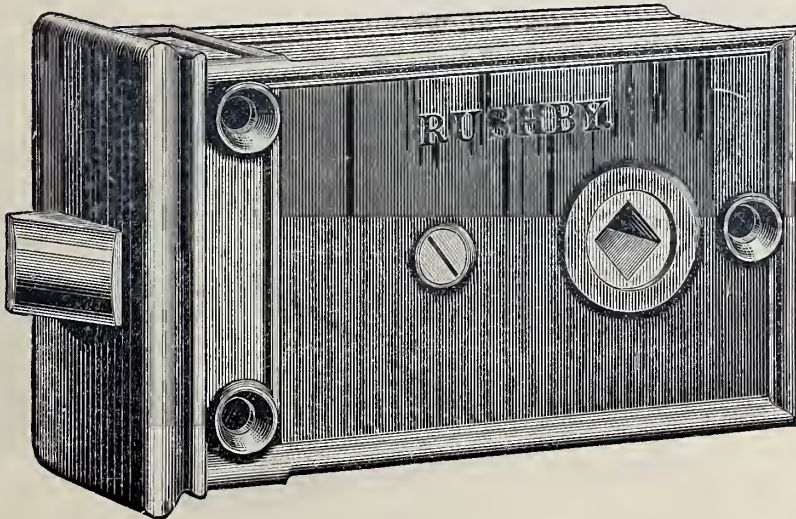
Horizontal Rim Closet Locks.



Full size cut of No. 110 Closet Lock.

No.	Size.	HORIZONTAL RIM CLOSET LOCKS.	Per doz.	Each.
110.	3 x 2 1/4 in.,	Horizontal Rim Closet Locks, Tinned Iron Key,.....	\$1.50	\$0.18
111.	3 x 2 1/4 "	" " " Brass Key,.....	2.25	.25
112.	3 x 2 1/4 "	Horizontal Rim Closet Locks, Brass Key, with two secure Tumblers,.....	2.50	.25
115.	4 x 2 1/2 "	Horizontal Rim Dead Locks, Iron Bolt, Brass Key,.....	3.50	.35

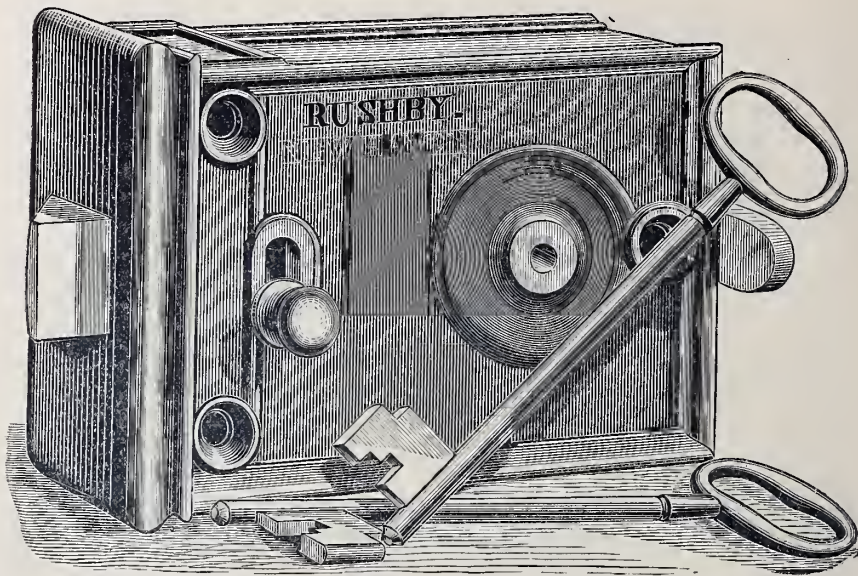
Rim Knob Latches.



Full size cut No. 130 Rim Knob Latch.

No.	Size.	RIM KNOB LATCHES.	Per doz.	Each.
			Without Knobs.	Without Knobs.
130.	3½ x 2½ in.,	Horizontal Rim Knob Latch, Iron Bolt,.....	\$1.40	\$0.16
131.	4 x 3 "	" " " Heavy Brass Bolt,	4.35	.45
132.	4 x 2½ "	Upright Rim Store Door Latches, "	10.80	1.00
133.	6 x 3½ "	" " " " " "	12.75	1.25

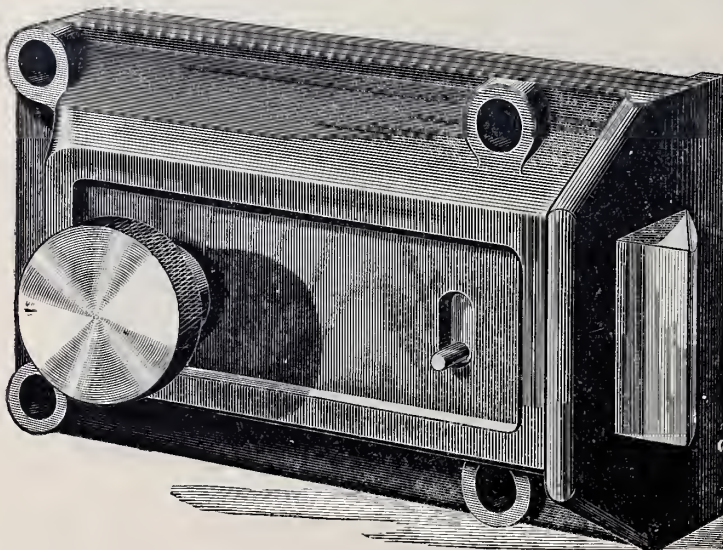
Rim Night Latches.



Full size cut of No. 135 Rim Night Latch.

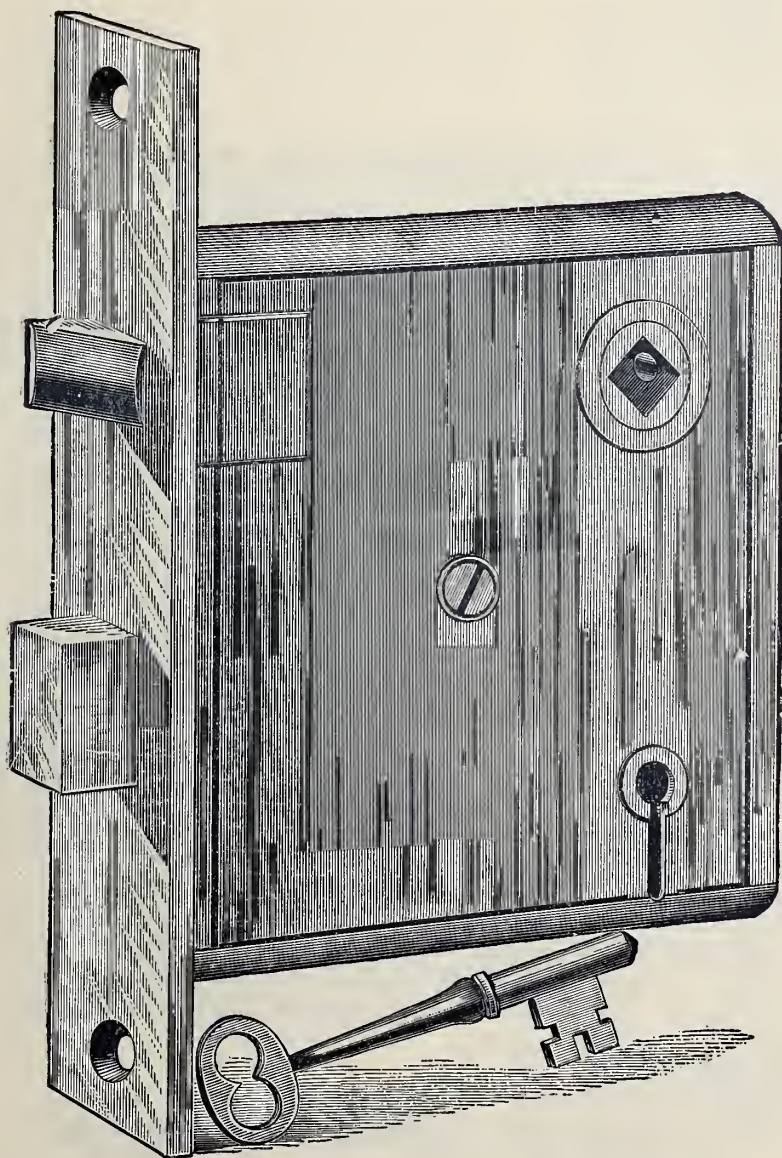
No.	Size.	RIM NIGHT LATCHES.	Each.
135.	3 x 2½ inch	Horizontal Rim Night Latches, with two Keys.....	\$0.40
136.	3½ x 3	Horizontal Rim Night Latches, with Iron Bolt and two Brass Keys,.....	.50
137.	3½ x 3	Horizontal Rim Night Latches, with Heavy Brass Bolt, two Keys and three Tumblers,.....	.65

Yale Rim Night Latches.



No.	Size.	YALE RIM NIGHT LATCHES.	Each.
138.	3½ x 2¾ inch	Japaned Iron Case Night Latches, Brass escutcheon and Knob, Three Flat Steel Keys,.....	\$1.65
139.	3½ x 2¾	Ornamental Bronze Escutcheon and Knob, three Flat Steel Keys,.....	\$1.85

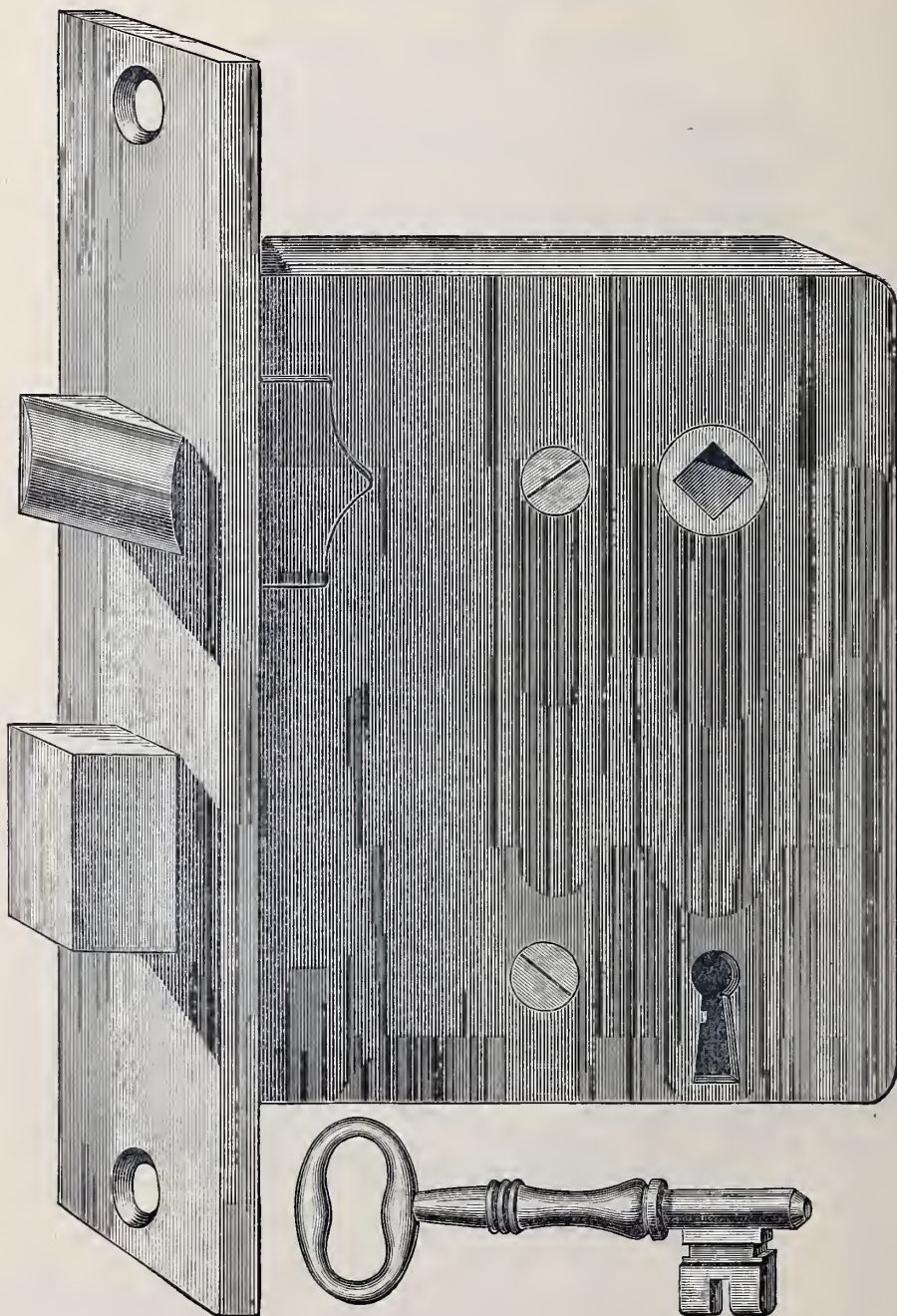
Mortise Knob Locks.



No.	Size.	MORTISE KNOB LOCKS.		Per doz.	Each.
				Without Knobs.	Without Knobs.
1.	3½ inch,	Iron Front, Iron Bolt, Tinned Key,	.....	\$1.25	\$0.15
2.	3½ "	" " " Nickel Plated Key,	.....	1.70	.18
3.	3½ "	Brass Front, Brass Bolt, " "	.....	3.20	.35
5.	4 "	Iron Front, Iron Bolt, " "	.....	3.85	.40
17.	4 "	Brass Front, Brass Bolt, " "	.....	3.50	.35
6.	4 "	" " " " "	.....	5.50	.55

REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

Mortise Knob Locks.



No. 20.

No.	Size.	MORTISE KNOB LOCKS.				Per doz.	Each.
						Without Knobs.	Without Knobs.
20.	4 $\frac{1}{4}$ inch,	Heavy Brass Front,	Brass Bolts,	Brass Key,	one Tumbler, ..	\$10.50	\$1.00
21.	4 $\frac{1}{4}$ "	"	"	"	three Tumblers, ..	13.50	1.35
10.	4 $\frac{1}{2}$ "	Brass Front,	Brass Bolts,	Nickel-Plated Key,	.....	9.50	.95
11.	4 $\frac{1}{2}$ "	"	"	"	" two Tumblers, ..	10.50	1.05
15.	5	"	"	"	" one Tumbler, ..	11.50	1.15
16.	5	"	"	"	" three Tumblers, ..	14.00	1.40

REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

Mortise Knob Locks.

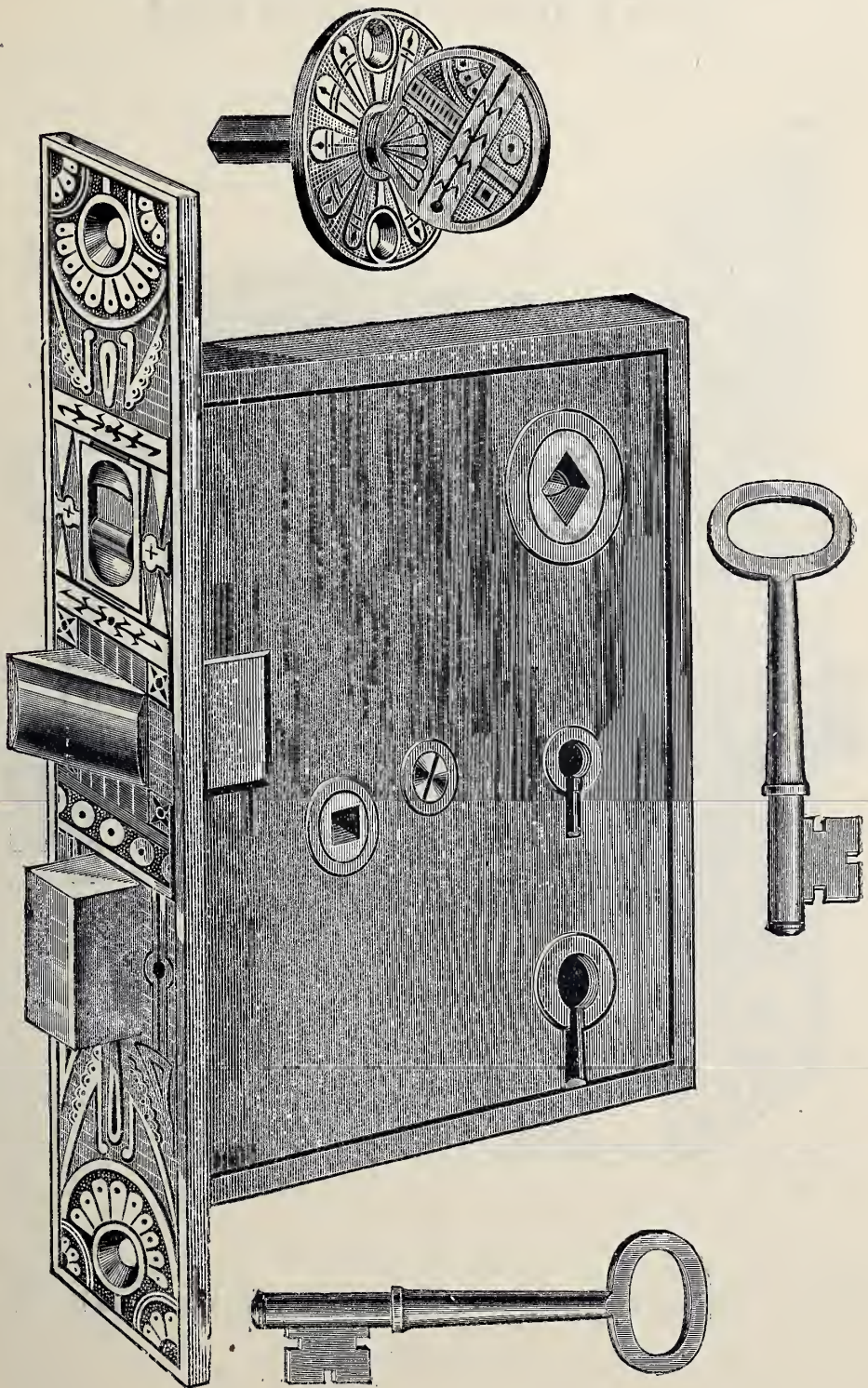


Full size cut No. 24 Mortise Knob Lock.

No.	Size.	MORTISE KNOB LOCKS.					Per doz.	Each.
23.	4 inch,	Ornamental	Real Bronze	Front and	Striker Pla e,	Nickel Key,..	\$8.50	\$0.85
24.	4½ "	"	"	"	"	"	.. 10.00	1.00

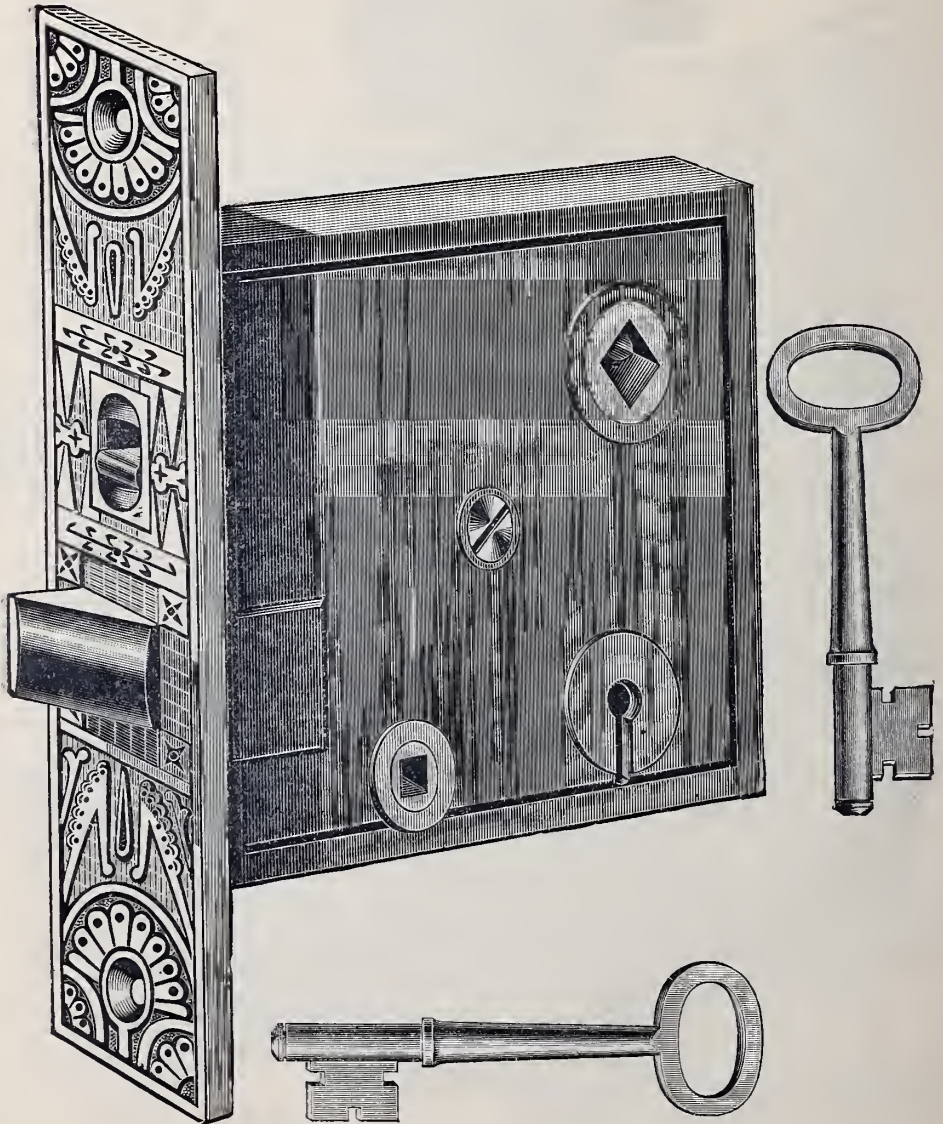
REVERSIBLE FOR RIGHT OR LEFT HAND DOORS.

No. 64 Mortise Front Door Lock.



Full size cut of Front Door Lock No. 64, to match Vestibule Latch No. 74.
(For Description, see page 33.)

No. 74 Mortise Vestibule Latch.



Full size cut of No. 74 Mortise Vestibule Latch, to match Front Door Lock No. 64.

(For Description, see page 33.)

Description of Mortise Front Door Locks.

No.	Each.
64.	Ornamental Real Bronze Front and Striker, two Nickel-Plated Night Keys,.....\$1.50
65.	Plain Brass Front and Bolts, two Nickel-Plated Night Keys,..... 1.50

Description of Mortise Vestibule Latches.

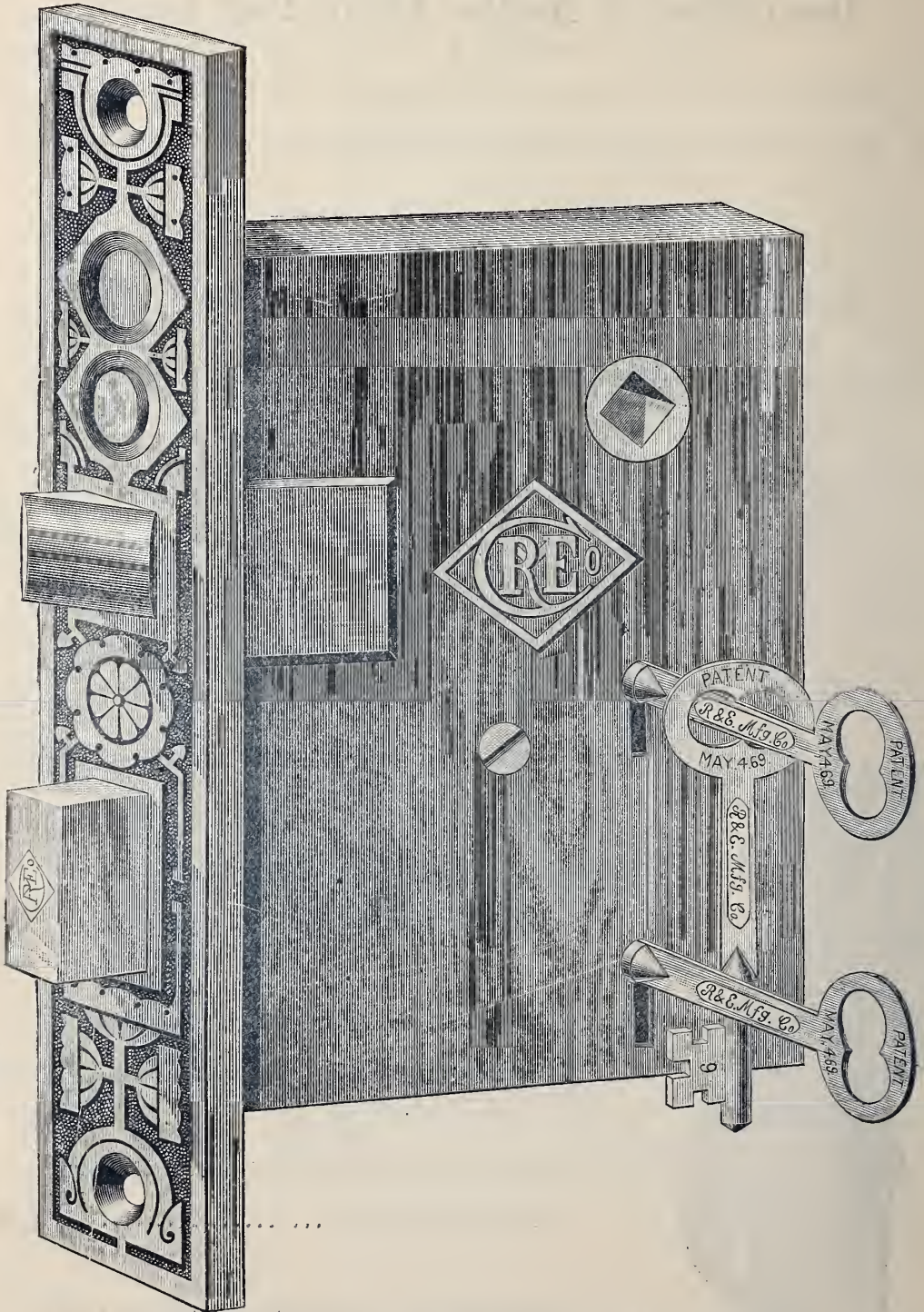
No.	Each.
74.	Ornamental Real Bronze Front and Striker, two Nickel-Plated Night Keys. Night Keys Pass Front Door Lock No. 64,.....\$1.15
70.	Plain Brass Front and Bolts, two Nickel-Plated Night Keys. Night Keys Pass Front Door Knobs No. 65,..... 1.15

Store Door Lock and Latch with Handles.



No.	Each.
145.	Ornamental Kahala Bronze with Flat Front Lock, two Keys, three Tumblers,.....\$3.25
146.	Ornamental Kahala Bronze with $\frac{1}{2}$ inch Rabbeted Lock, two Keys, three Tumblers,..... 4.00
147.	Ornamental Real Bronze with Flat Front Lock, two Keys, three Tumblers,..... 5.50
149.	Ornamental Real Bronze with $\frac{1}{2}$ inch Rabbeted Lock, two Keys, three Tumblers,..... 6.25

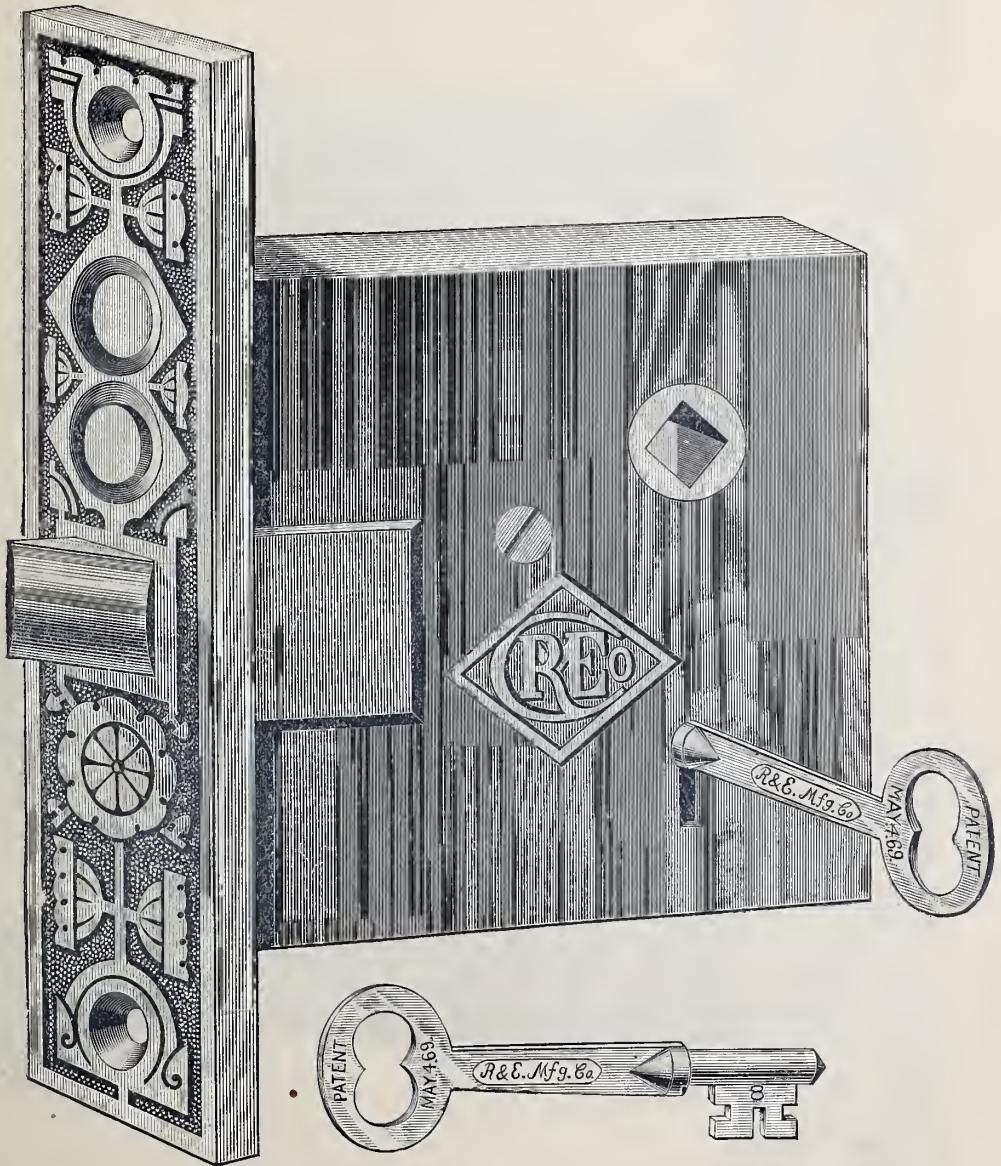
No. 761. Mortise Front Door Lock.



WITH REVERSIBLE ANTI-FRICTION LATCH BOLT.

..... : 5-16 inch Swivel Spindle.
 Full size cut of Front Door Lock No. 761—to match Vestibule Latch No. 766.
 (For Description, see page 38.)
 To change the hand, take off the Cap and turn over the Latch and the long stop.

NO. 766. Mortise Vestibule Latch.



With Reversible Anti-Friction Latch Bolt.

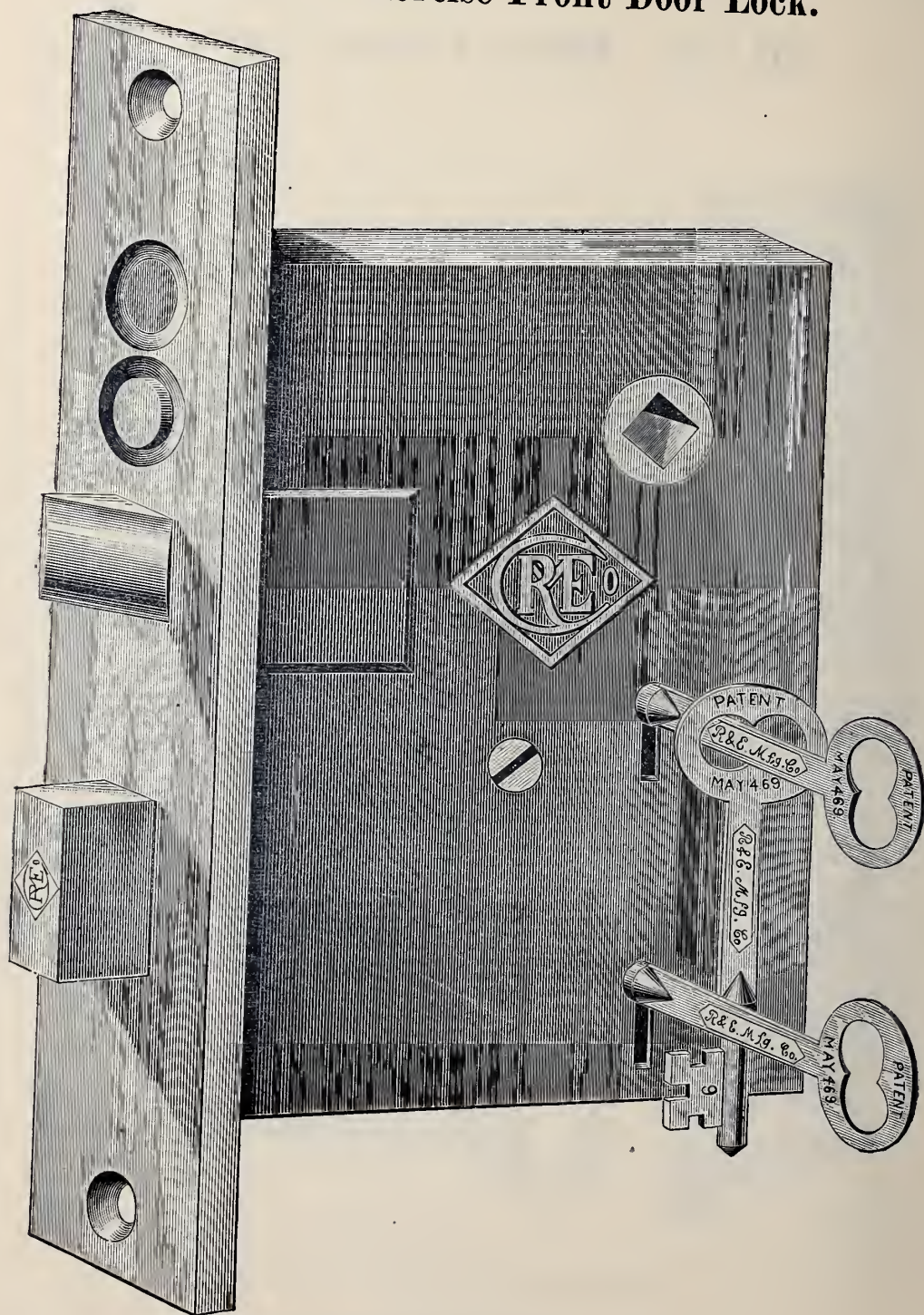
5-16 inch Swivel Spindle.

Full size of Vestibule Latch No. 766, to match Front Door Lock No. 761.

(For Description see page 38.)

To change the Hand, take off the Cap and turn over the Latch and the Long Stop.

No. 762. Mortise Front Door Lock.



With Reversible Anti-Friction Latch Bolt.

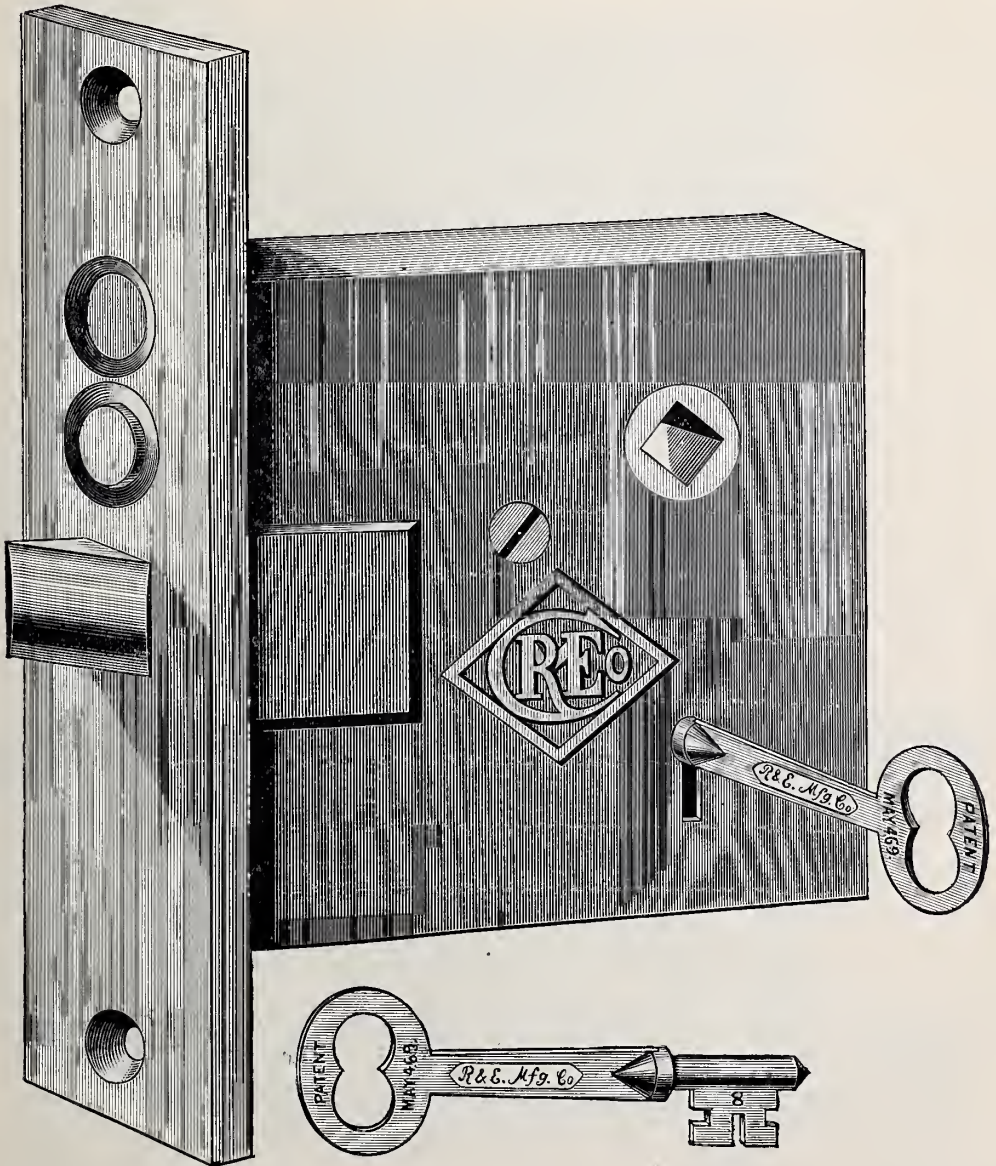
5-16 inch Swivel Spindle.

Full size cut of Front Door Lock No. 762, to match Vestibule Latch No. 767.

(For Description, see page 38.)

To change the Hand, take off the Cap and turn over the Latch and the Long Stop.

No. 767. Mortise Vestibule Latch.



With Reversible Anti-Friction Latch Bolt.

5-16 inch Swivel Spindle.

Full size cut of Vestibule Latch No. 767, to match Front Door Lock No. 762.

(For Description see page 38.)

To change the Hand, take off the Cup and turn over the Latch and the Long Stop.

Mortise Front Door Locks.

(See cuts, pages 34 and 36.)

No. 761.—ORNAMENTAL. Real Bronze Front and Striker.

Each.

2 nickel plated steel night keys. . . . \$1.85

No. 762.—PLAIN. Real Bronze Front and Striker.

2 nickel plated steel night keys. . . . 1.85

Mortise Vestibule Latches.

(See cuts, pages 35 and 37.)

No. 766.—ORNAMENTAL. Real Bronze Front and Striker.

Each.

2 nickel plated steel night keys. Night keys

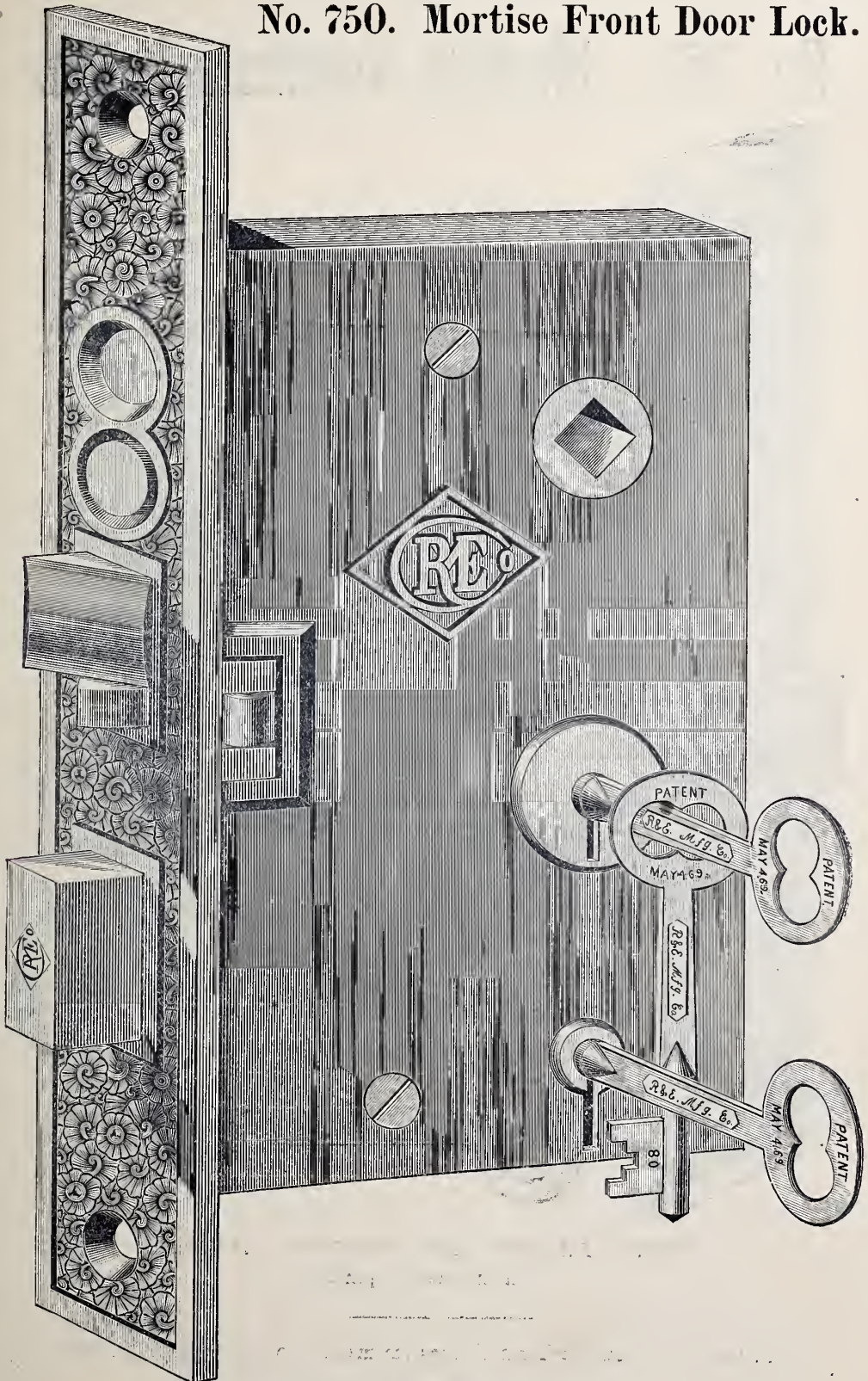
pass Front Door Lock No. 761. . . . \$1.40

No. 767.—PLAIN. Real Bronze Front and Striker.

2 nickel plated steel night keys. Night keys

pass Front Door Lock No. 762. . . . 1.40

No. 750. Mortise Front Door Lock.



WITH PATENT ANTI-FRICTION LATCH.

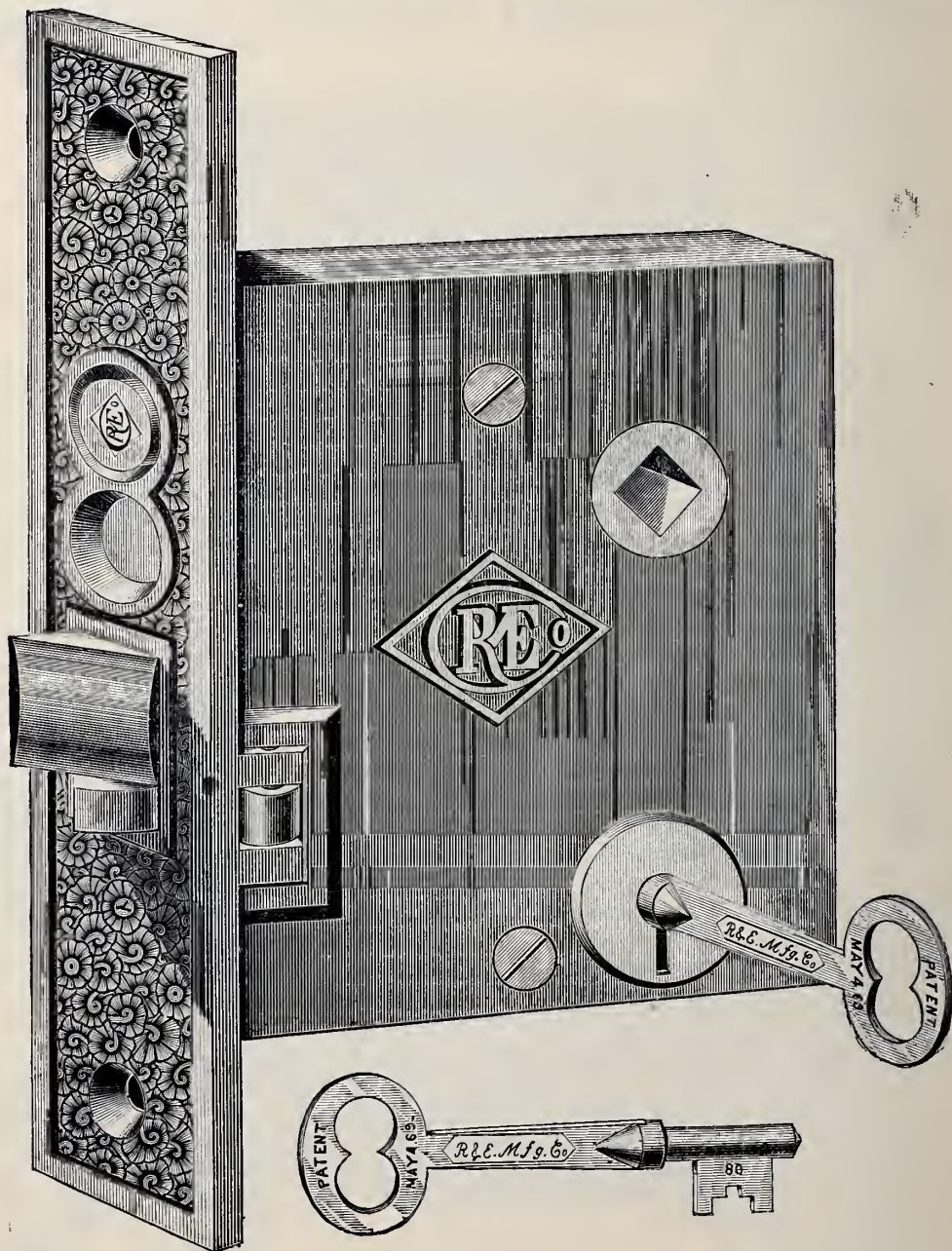
3-8 inch Swivel Spindle.

Full size cut of Front Door Lock No. 750, to match Vestibule Latch No. 755.

(For Description see page 41.)

To change the Hand, take off the Cap and turn over the Latch and the Long Stop.

No. 755. Mortise Vestibule Latch.



WITH PATENT ANTI-FRICTION LATCH.

$\frac{3}{8}$ inch Swivel Spindle.

Full size cut of Vestibule Latch No. 755, to match Front Door Lock No. 750.

Mortise Front Door Locks.

(See Cut page 39)

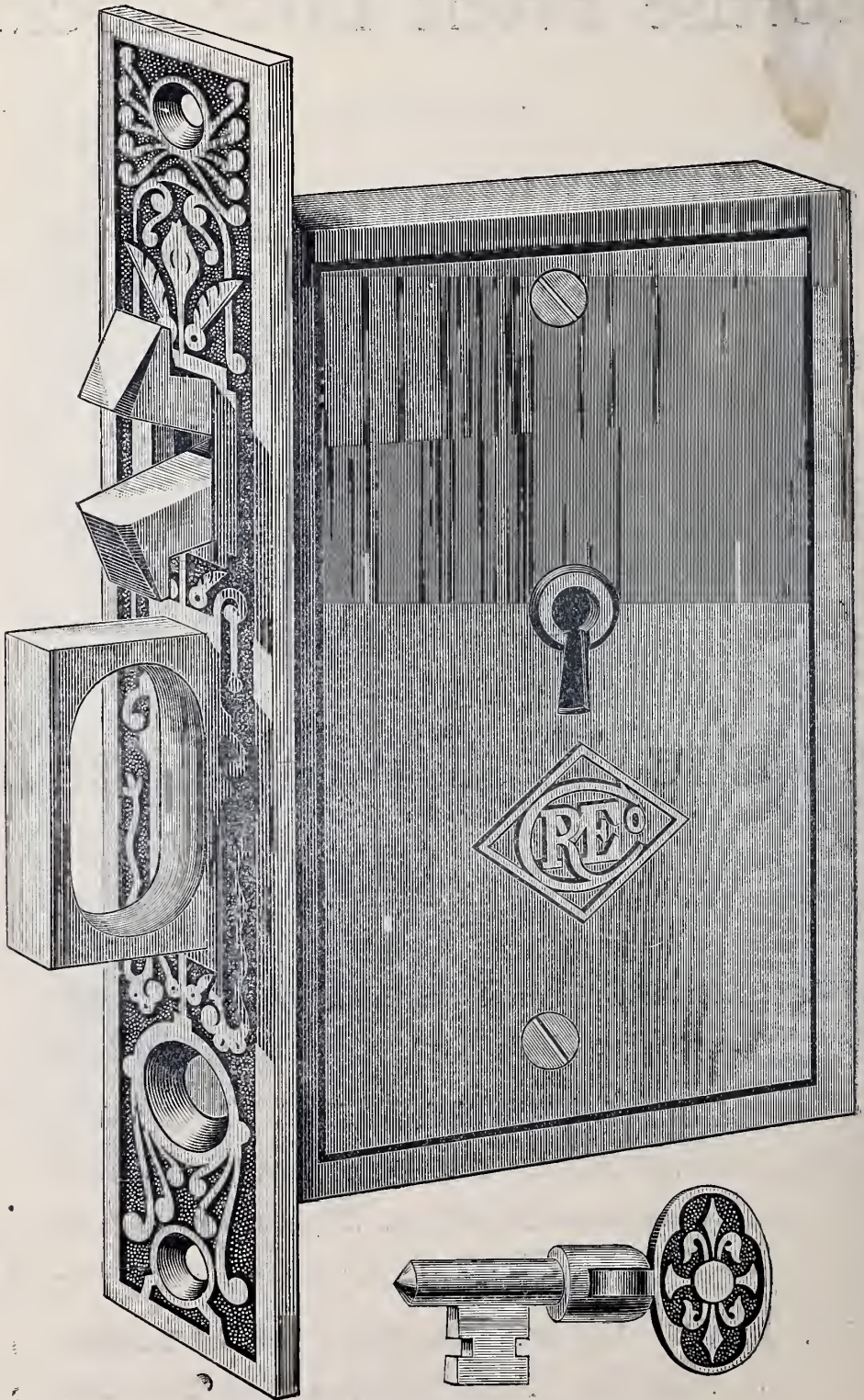
	Each.
No. 750. DAMAZENE. Real Bronze Front and Striker, three safe Tumblers on Night Key Bolt,	\$2.75
No. 751. ORNAMENTAL. Real Bronze Front and Striker three safe Tumblers on Night Key Bolt,	2.75
No. 752. PLAIN. Real Bronze Front and Striker, three safe Tumblers on Night Key Bolt,	2.75

Mortise Vestibule Latches.

(See Cut page 40.)

	Each.
No. 755. DAMAZENE. Real Bronze and Striker, three safe Tumblers on Night Key. Night Keys pass Front Door Lock No. 750,	\$2.15
No. 756. ORNAMENTAL. Real Bronze and Striker, three safe Tumblers on Night Key. Night Keys pass Front Door Lock No 751,	2.15
No. 757. PLAIN. Real Bronze and Striker, three safe Tumblers on Night Key. Night Keys pass Front Door Lock No. 752.	2.15

SLIDING DOOR LOCKS.



Full Size Cut of No. 195 Sliding Door Lock.

(For Description, see page 44.)

Sliding Door Locks.



Full Size Cut of No. 197 Sliding Door Lock.

(For Description, see page 44.)

FLUSH ESCUTCHEONS,

For Sliding Door Locks.



No. 1.



No. 2.

Description of Sliding Door Locks.

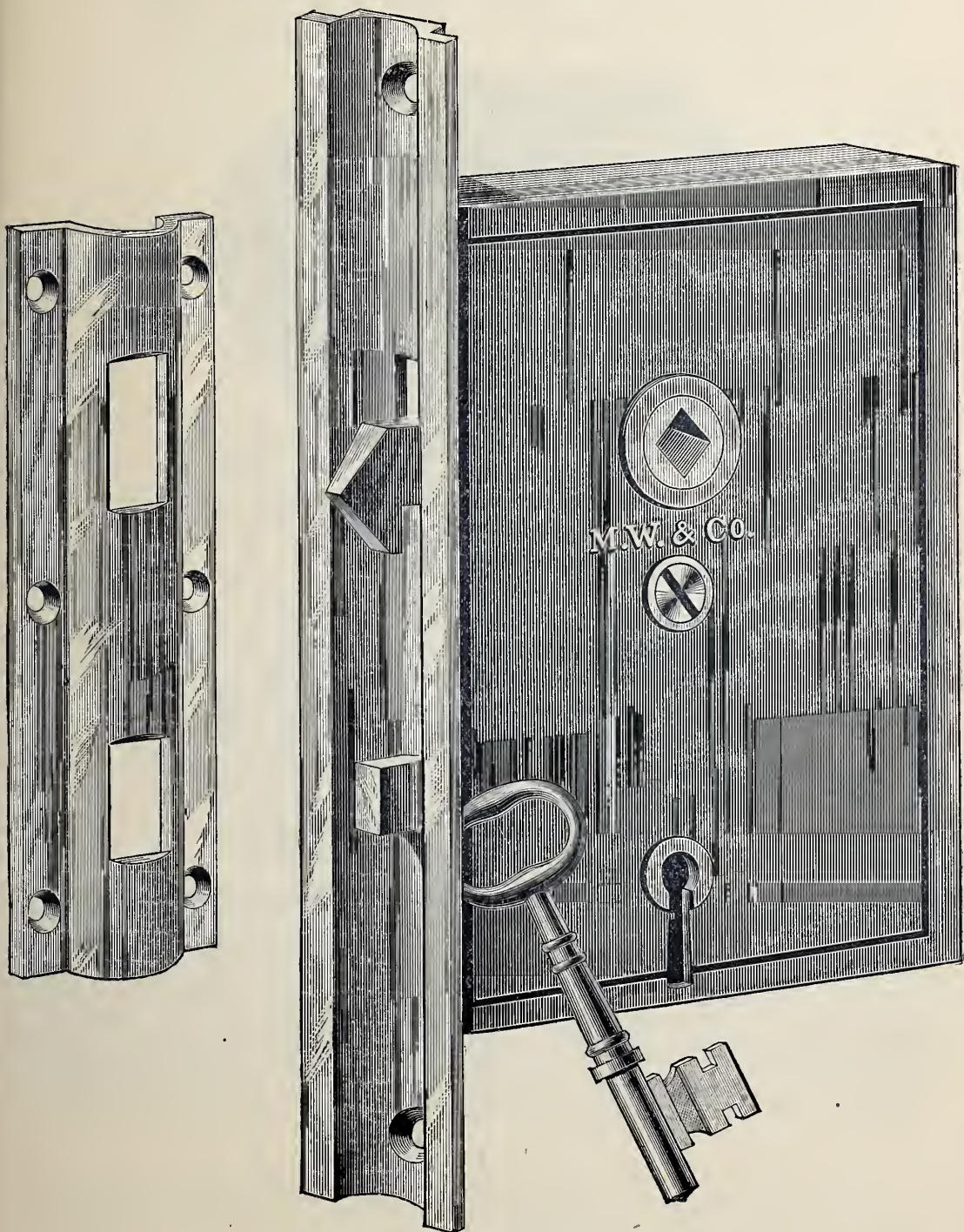
(Full Size Cuts on pages 42 and 43.)

SLIDING DOOR LOCKS.

Each

- No. 195—**Flat Face** Double Sliding Door Locks, Ornamental **Real Bronze** Fronts, with four Real Bronze Escutcheons and Stops, complete,..... \$3.50
196. **Flat Face** Double Sliding Door Locks, Ornamental **Berlin Bronzed** Fronts, with four Ornamental Flush Escutcheons and Stops, complete,.....2.65
197. **Astragal Face** Double Sliding Door Locks, Ornamental **Real Bronze** Fronts, with four Real Bronze Escutcheons and stops, complete,.....3.85
198. **Astragal Face** Double Sliding Door Locks, Ornamental **Berlin Bronzed** Fronts, with four Ornamental Flush Escutcheons and Stops, complete,.....2.85
192. **Flat Face** Double Sliding Door Lock, **Plain Real Bronze** Fronts, with four No. 1 Plain Bronze Escutcheons and Stops, complete,.....3.50
193. **Astragal Face** Double Sliding Door Locks, with **Plain Real Bronze** Fronts, with four No. 1 Plain Bronze Escutcheons and Stops, complete,.....3.85

SLIDING DOOR LOCKS.

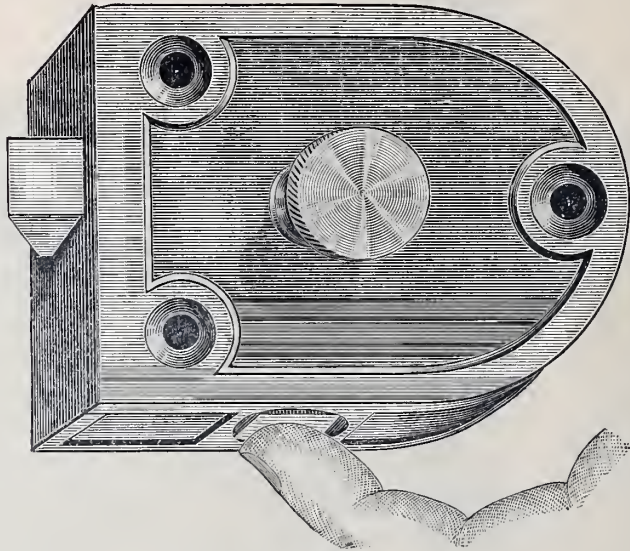


Full size cut of No. 190 Sliding Door Locks.

No.	Size.	DESCRIPTION.	Each.
190.	5 x 3½	Astragal Face Sliding Door Lock, Heavy Brass Front and Striker Plate, Brass Key,.....	\$1.15
191.	5 x 3½	Plain Face Sliding Door Lock, Heavy Brass Front and Striker Plate, Brass Key,.....	.90

Horizontal Secret Spring Latches.

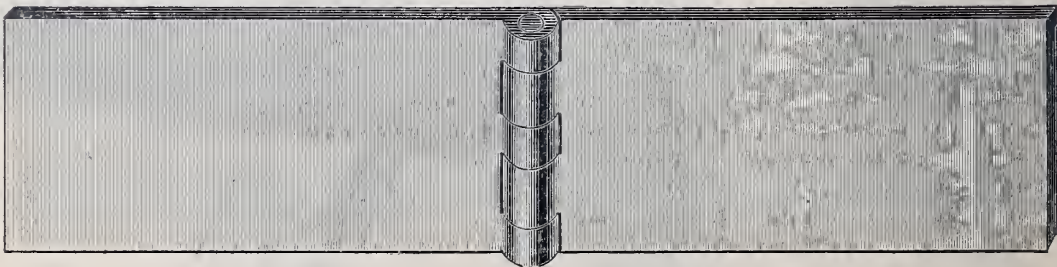
SUITABLE FOR IRON RAILINGS, PEWS AND OFFICE DOORS.



No. 80.

No.		Each.
80.	Horizontal Secret Spring Latches, Iron Case, with Stationary Knob,.....	\$0.50
80½.	The above Latches, Reverse Bevel,.....	.50
82.	Horizontal Secret Spring Latches, Fine Polished Bronze Metal, with Stationary Knob,.....	1.25
82½.	The above Latches, Reverse Bevel,.....	1.25

Office Gate Hinges.



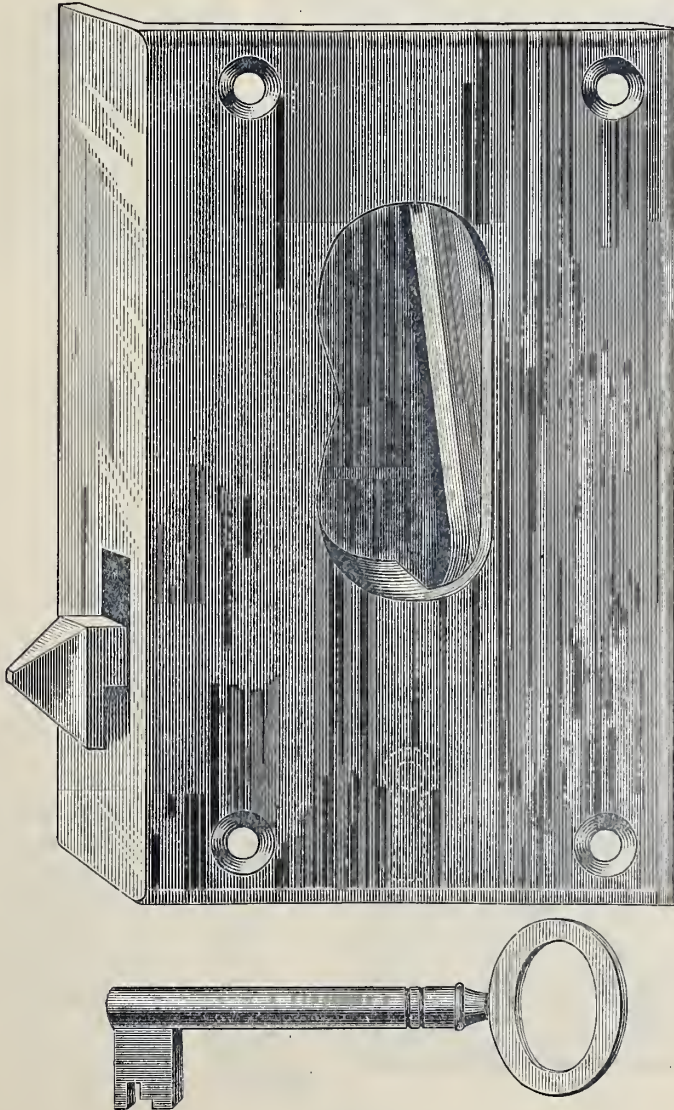
No. 1128.

We keep these Hinges on hand without any screw holes in them, and countersink the screw holes in any position to suit the necessities of the case.

We have the following sizes on hand :

	1¼ x 6	1½ x 6½	2 x 7½	1¾ x 9	2¼ x 11
Per pair,	\$1.00	\$1.25	\$1.50	\$2.25	\$3.00

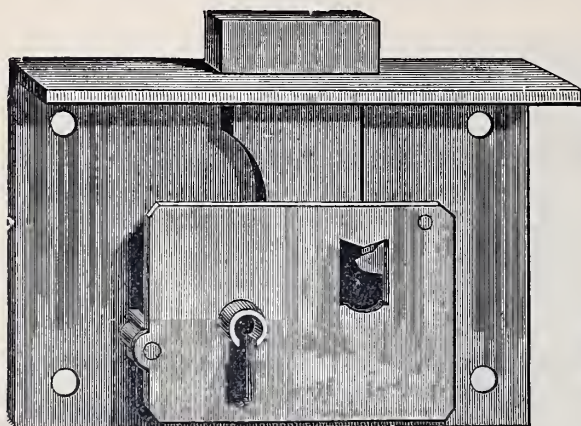
ELEVATOR DOOR LATCH.



No. 680. Heavy all Brass Elevator Door Latch,.....each, \$1.75

Operated on Elevator side, with side lever, working flush with face of Latch, and on outside opened by means of a Key. In ordering please state Hand wanted. Cut represents right hand.

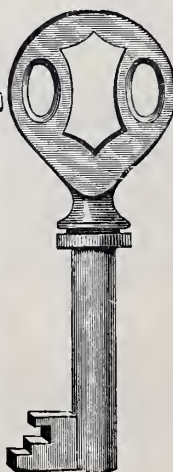
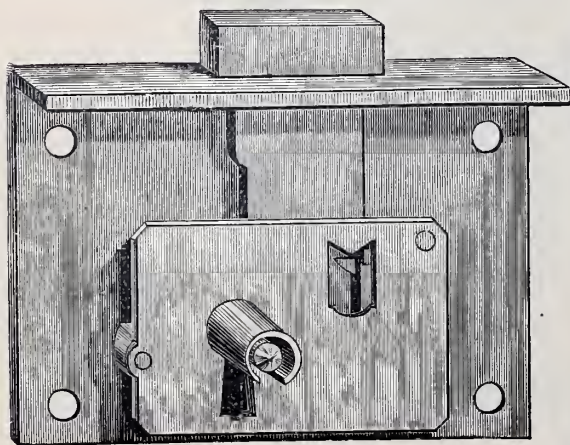
Brass Tumbler Drawer Locks.



No 619. Cast Brass Drawer Lock, $2\frac{3}{4}$ inches, Extra Heevy Plate and Broad Bolt, three secure Tumblers, fine Flat Bow, Bronze Keys, one Key to each Lock, no two Keys alike.

No.							Each
619.	Brass Drawer Locks,	1	inch from selvedge to centre of keyhole,				\$0.60
"	"	"	$1\frac{1}{4}$	"	"	"	60
"	"	"	$1\frac{1}{2}$	"	"	"	65
"	"	"	$1\frac{3}{4}$	"	"	"	65
"	"	"	2	"	"	"	65
"	"	"	$2\frac{1}{4}$	"	"	"	70
"	"	"	$2\frac{1}{2}$	"	"	"	70
"	"	"	3	"	"	"	75
"	"	"	$3\frac{1}{4}$	"	"	"	75
"	"	"	$3\frac{1}{2}$	"	"	"	80

In ordering these Locks, please state what depth of Lock is required.



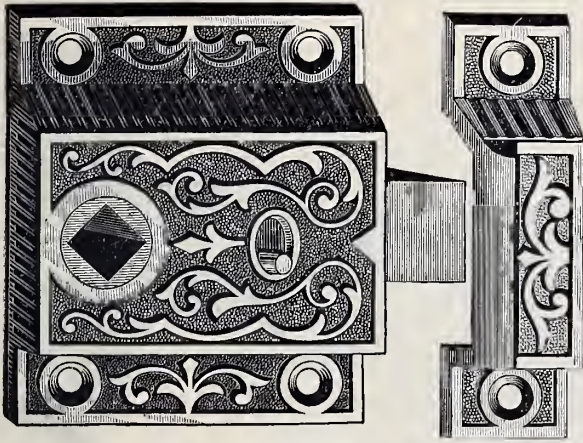
No. 620. Cast brass Drawer Lock, $2\frac{3}{4}$ inch, Extra Heavy Plate and Broad Bolt, with tube for $\frac{7}{8}$ inch wood, highly finished Bronze Keys.

These Locks are furnished with one Key to each Lock, all the Keys to pass, unless otherwise ordered.

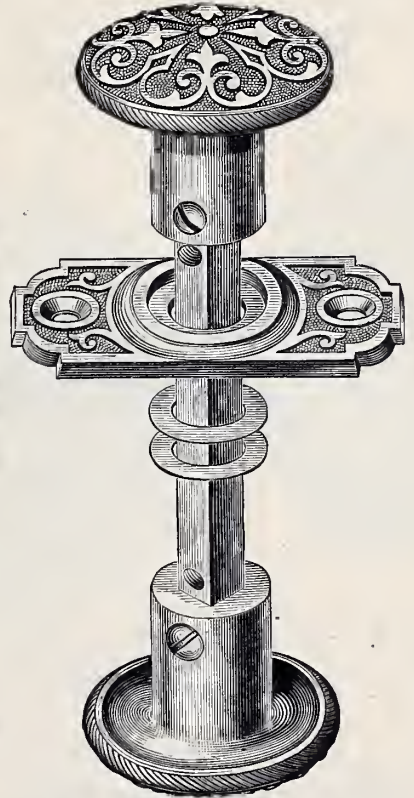
No.							Each.
620.	Brass Drawer Locks,	1	inch from selvedge to centre of keyhole,				\$0.60
"	"	"	$1\frac{1}{4}$	"	"	"	60
"	"	"	$1\frac{1}{2}$	"	"	"	65
"	"	"	$1\frac{3}{4}$	"	"	"	65
"	"	"	2	"	"	"	65
"	"	"	$2\frac{1}{4}$	"	"	"	70
"	"	"	$2\frac{1}{2}$	"	"	"	70
"	"	"	$2\frac{3}{4}$	"	"	"	75
"	"	"	3	"	"	"	75
"	"	"	$3\frac{1}{4}$	"	"	"	80
"	"	"	$3\frac{1}{2}$	"	"	"	80

In ordering these Locks, please state what depth of Lock is required.

Screen Door Catches.



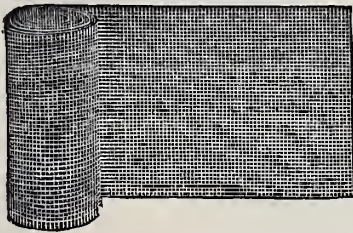
Plain Bevel. Full size cut of No. 480.



No.	DESCRIPTION.	Doz.	Each.
480.	Screen Door Catches, plain Bevel Latch with Bronze Metal Knob.....	\$3.50.	.35
481.	Screen Door Catches, Reverse Bevel Latch with Bronze Metal Knob.....	\$3.50.	.35

Full size cut of
Knob for Doors, $\frac{7}{8}$ to $1\frac{3}{8}$ thick.

Fly Wire.



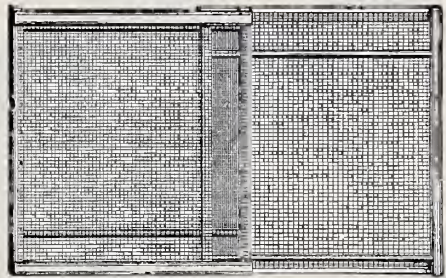
All widths from 24 inches to 48 inches.

Special prices for quantity.

In full rolls, 100 feet long, at $2\frac{1}{4}$ cents per square foot.

Pieces cut to order, $2\frac{3}{4}$ cents per square foot.

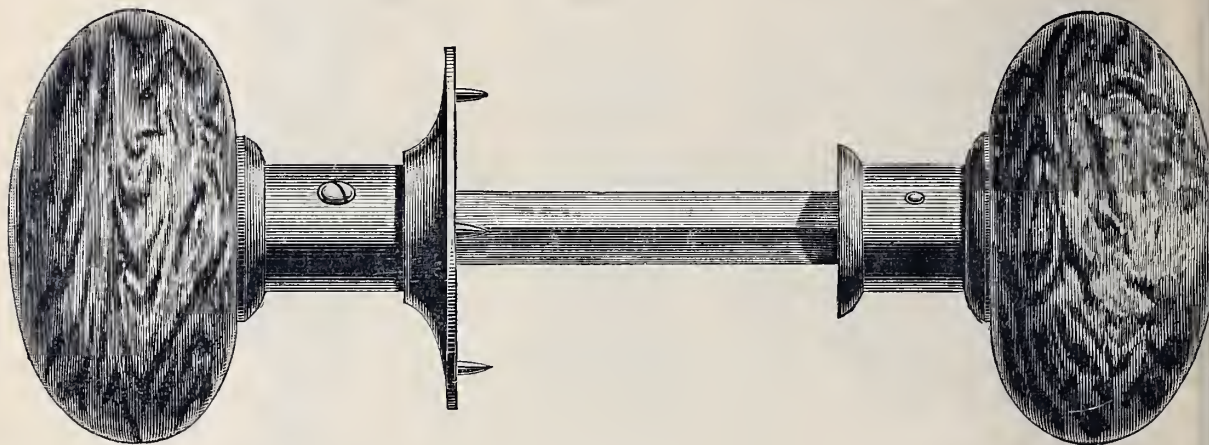
Boughton's Adjustable Mosquito and Fly Screens, for Windows.
It is the Strongest. It will Adjust Easier.
It will not Stick when Soaked with Water.



1887. PRICE LIST OF 1887.
Boughton's Adjustable Window Screens.

Walnut Frames.					Stained Frames.		
Plain Wire.				Land-scapes.	Plain Wire.		
No.	Height in inches.	Full Width in inches.	Price Each	Price per Dozen.	Price Each.	Price Each.	Price per Dozen.
1	18	34	\$ 60	\$6.20	\$	\$ 40	\$4.35
2	18	38	65	6.75		45	4.95
3	18	42	70	7.00		50	5.50
4	20	34	70	7.00		50	5.50
5	20	38	75	7.50		55	5.75
6	20	42	80	8.00		60	6.20
7	24	34	80	8.00	1.75	60	6.20

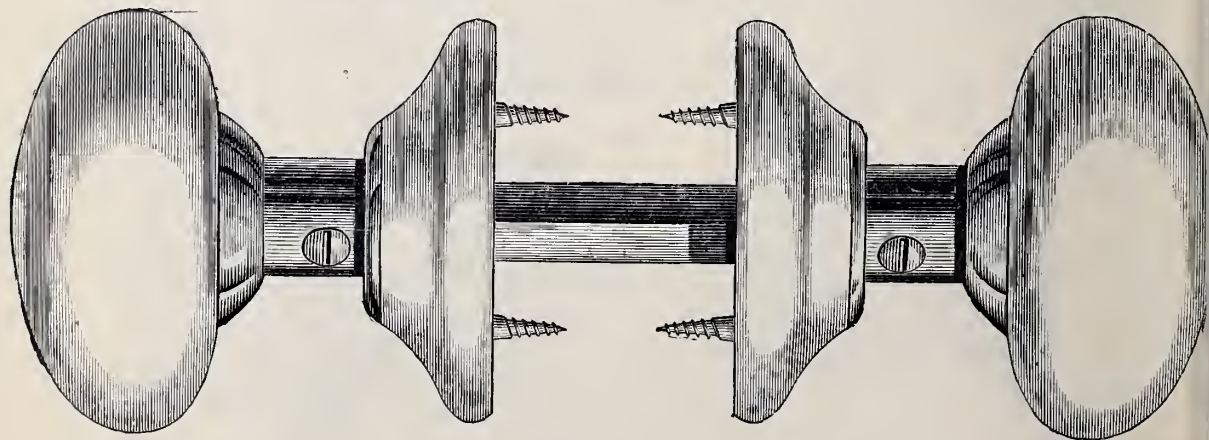
Mineral Door Knobs.



No. 361.

No.	Size.	5-16 SPINDLES,	Per dozen pairs,	Per pair.
360.	2 1/4 inch	Mineral Door Knobs, Japanned Shank and Roses, for Mortise Locks,.....	\$0.80	\$0.10
361.	2 1/4 "	Mineral Door Knobs, Japanned Shank and Roses, for Rim Locks,.....	.80	.10

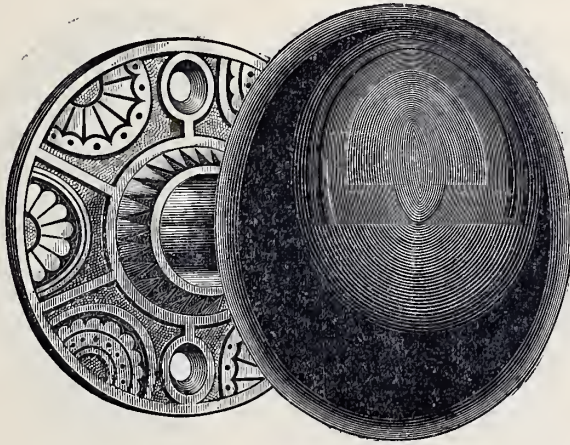
Porcelain Door Knobs.



No. 365.

No.	Size.	5-16 SPINDLES.	Per dozen pairs.	Per pair.
365.	2 1/4 in.	Porcelain Door Knobs, Plated Shank and Porcelain Roses, for Mortise Locks,.....	\$2.75	\$0.30
366.	2 1/4 "	Porcelain Door Knobs, Plated Shank and Porcelain Roses, for Rim Locks,.....	2.75	.30
367.	2 1/4 "	Porcelain Door Knobs, Plated Shank and Roses, for Mortise Locks,.....	2.75	.30
368.	2 1/4 "	Porcelain Door Knobs, Plated Shank and Roses, for Rim Locks,.....	2.75	.30
369.	2 1/4 "	Porcelain Door Knobs, Japanned Shank and Roses, for Mortise Locks,.....	1.00	.12
370.	2 1/4 "	Porcelain Door Knobs, Japanned Shank and Roses, for Rim Locks,.....	1.00	.12

Ebony Door Knobs.



No. 374.

No.	Size of Knobs.	5-16 SPINDLES.	Per dozen pairs.	Per pair.
374.	2 $\frac{1}{4}$ inch, Ebony Door Knobs with Ornamental Solid Bronze Rose,.....		\$2.70.	\$0.28
372.	2 $\frac{1}{4}$ inch, Ebony Door Knobs with Light Bronzed Rose.....		2.20.	.22
373.	2 $\frac{1}{4}$ inch, Ebony Door Knobs with Plain Solid Bronze Rose		2.70.	.28

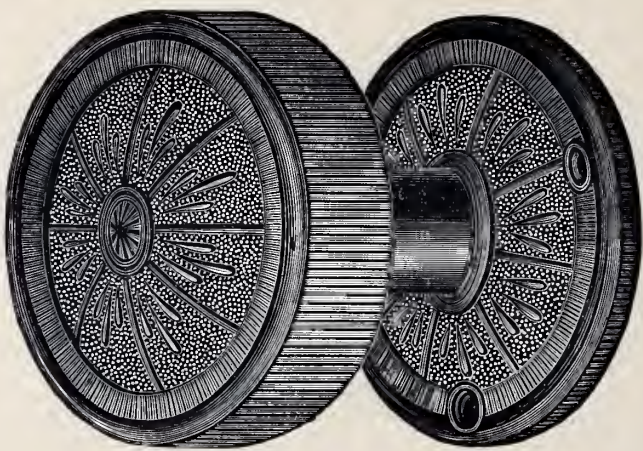
Ornamental Bronzed Door Knobs.



No. 379.

No.	Size of Knob.	5-16 SPINDLES.	Per dozen pairs.	Per pair.
379.	2 $\frac{1}{4}$ inch, Ornamental Light Bronzed Door Knobs,.....		\$4.00.	\$0.40

HEMACITE DOOR KNOBS



No. 385.

No.	Size of Knob.		Per dozen pairs.	Per pair.
385.	2 1/4 inch, Seal Brown Hemacite Knobs,.....		\$3.25	\$0.35

WOOD DOOR KNOBS.

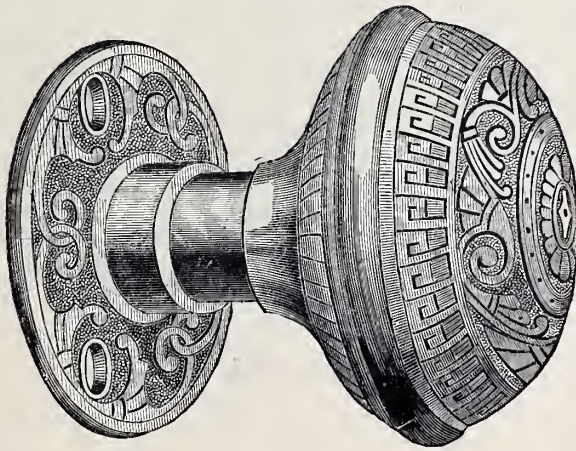


No. 384.

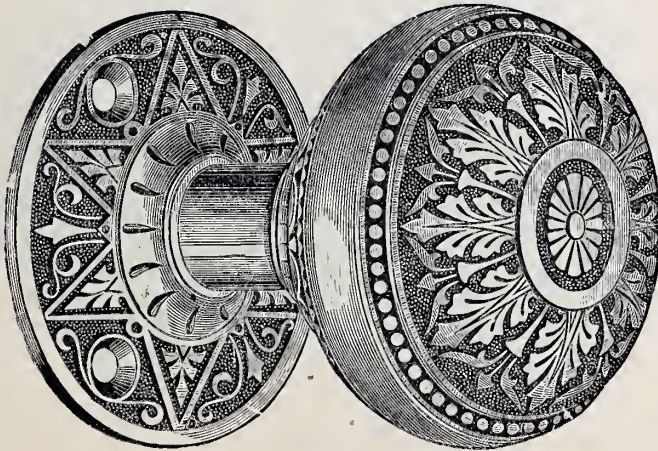
No.	Size of Knob.		Per dozen pairs.	Per pair.
384.	2 1/4 inch, Wood Door Knobs with Wood Roses,.....		\$3.25	\$0.35

We keep in stock Apple, Oak, Ash, Cherry, Mahogany and Walnut Knobs, at the same price.

Real Bronze Door Knobs.



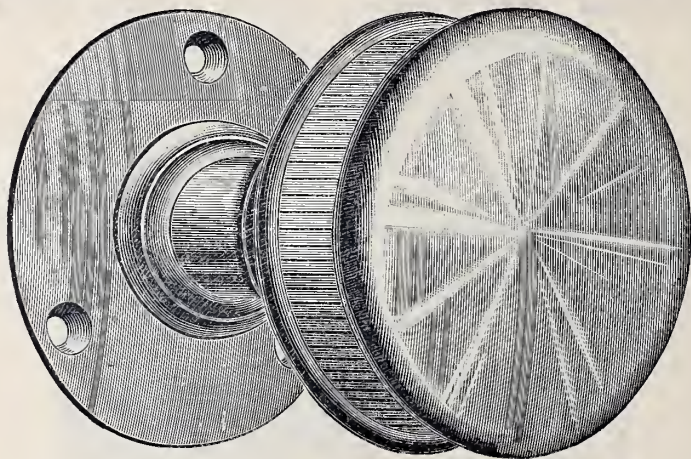
No. 1375.



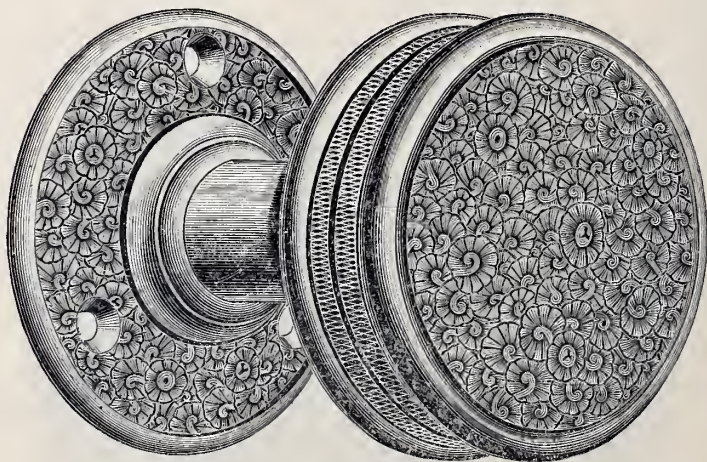
No. 377.

No.	Size of Knob.	DESCRIPTION.	Per dozen pairs.	Per pair.
1375	2¼ in.	Real Bronze Door Knobs, 5-16 Spindles,	\$5.50	\$0.55
377	2¼ " "	" " " " " " " " " " " " " " " "	9 00	.90
378.	2½ x 2¼ " " " "	3-8 Swivel Spindle,		1.25

Real Bronze Door Knobs.



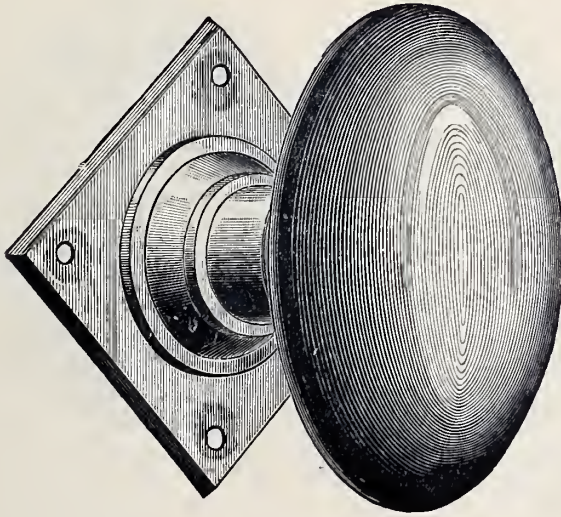
No. 795.



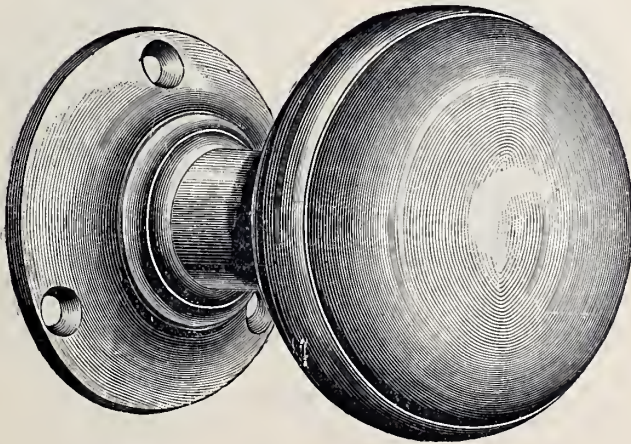
No. 790.

No.	Size.	DESCRIPTION.			Per pair.
795.	2 1/4 inch.	Real Bronze Door Knobs,	5/16 spindle,	.....	\$1.50
796.	2 1/2 x 2 1/4 "	"	3/8 swivel spindle,	.....	1.80
790.	2 1/4 "	"	5/16 spindle,	.....	1.50
791.	2 1/2 x 2 1/4 "	"	3/8 swivel spindle,	.....	1.80

Polished Bronze Door Knobs.



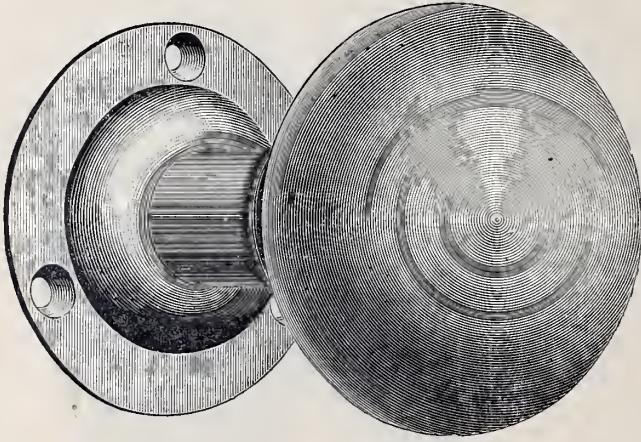
No. 1235.



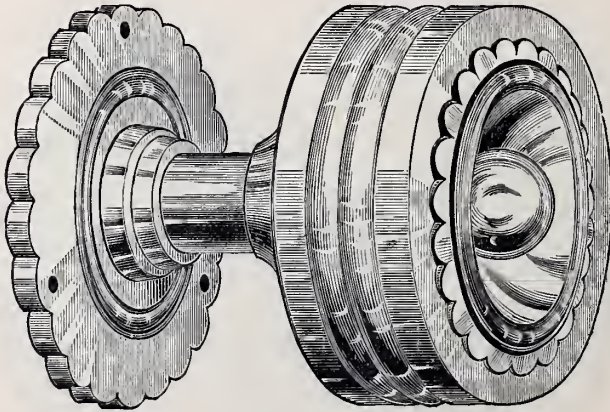
No. 792.

No.	Size.		Per dozen pairs.	Per pair.
1235.	2 1/4 x 2 1/4	Bronze Metal Knobs, 5-16 Spindles,		\$2.00
1236.	2 1/2 x 2 1/4	" " " 3-8 Swivel Spindles,		2.50
792.	2 1/4 x 2 1/4	" " " 5-16 Spindles,	\$5.00	.50

Bronze Metal Door Knobs.



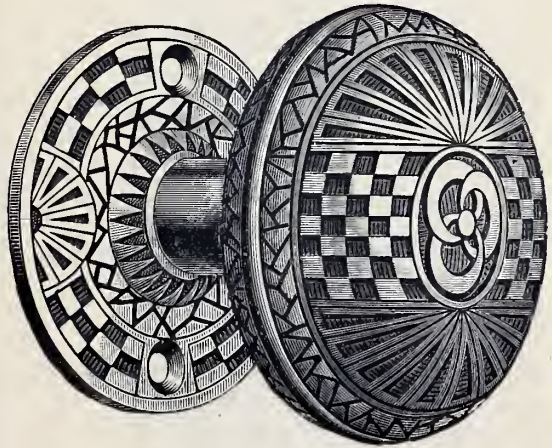
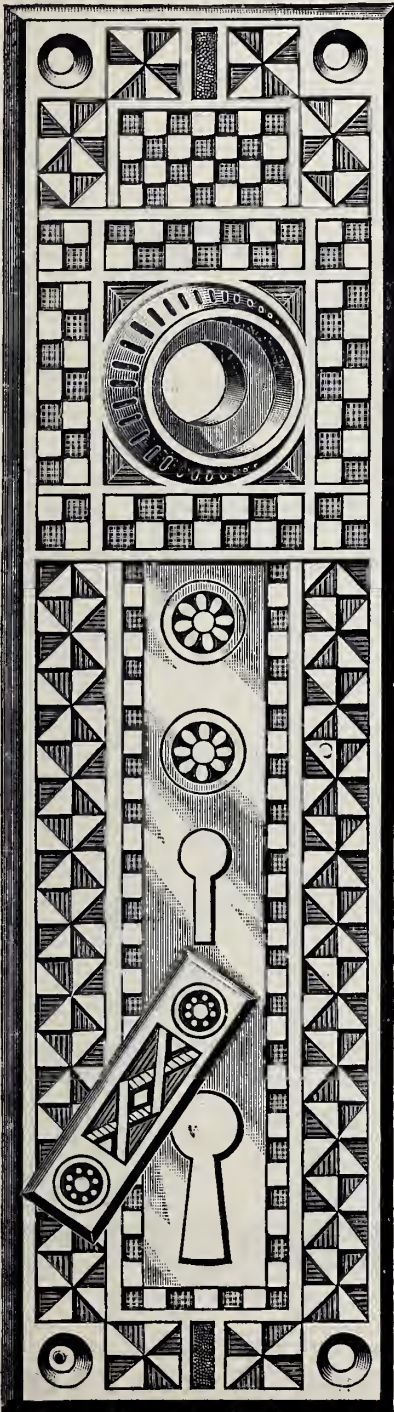
No. 777.



No. 1042.

No.	Size of Knob.	DESCRIPTION.			Per pair.
777.	2 1/4	inch.,	Real Bronze Door Knobs,	5/16 spindle,	\$1.50
778.	2 1/2 x 2 1/4	"	"	" 3/8 swivel spindle,	1.80
1042.	2 1/4	"	"	" 5/16 spindle,	1.50
1043.	2 1/2 x 2 1/4	"	"	" 3/8 swivel spindle,	1.80

Real Bronze Knobs and Escutcheons.



No. 418.

No. 418. Real Bronze Door Knobs, 5-16

Spindles,.....per pair, \$0.90

No. 408. Real Bronze Escutcheon, made for

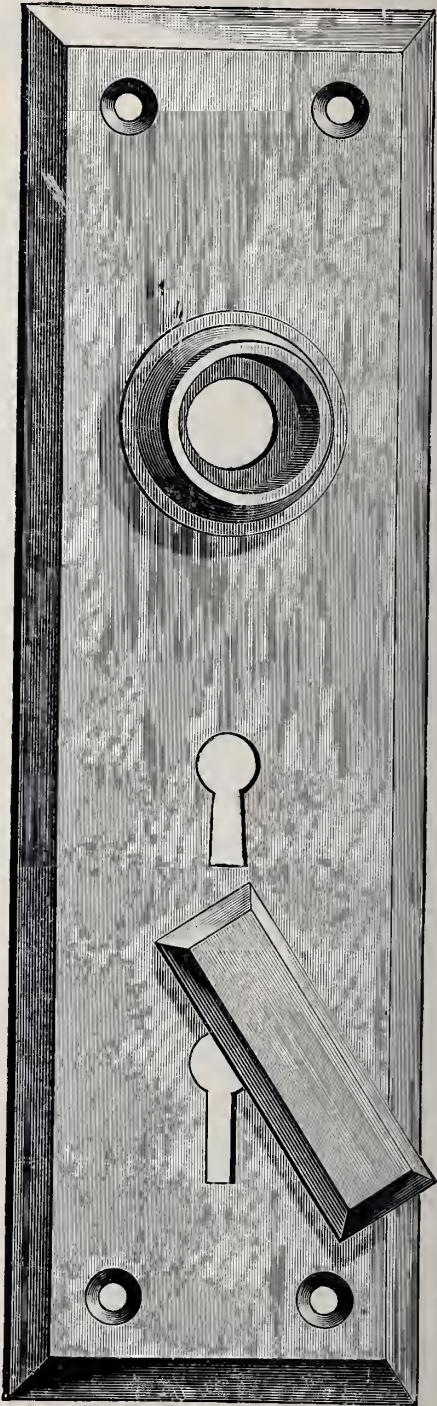
Front Door Locks Nos. 64 and

65,.....each, .60

ESCUTCHEONS.



No. 414.



No. 415.

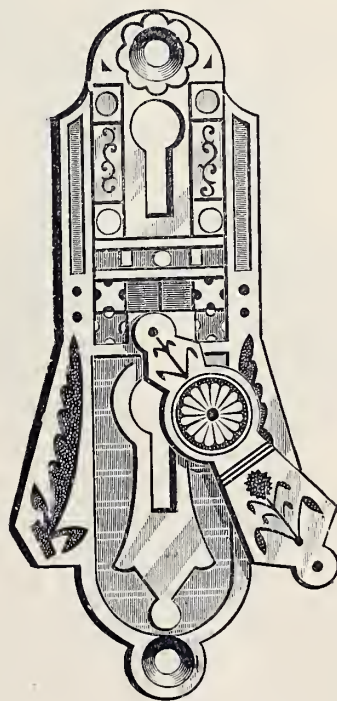
No. 414. Real Bronze Escutcheon,
made for Front Door Lock No. 750, \$1.00

No. 415. Real Bronze Escutcheon,
made for Front Door Locks Nos.
752, 762,..... 1.00

ESCUTCHEONS.



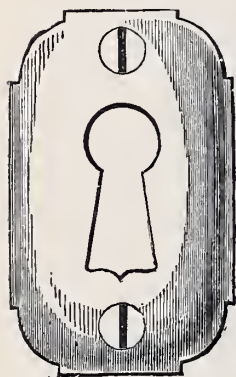
No. 407.



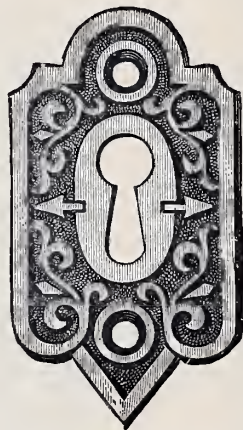
Nos. 401 and 402.

No.	Each.
402. Real Bronze Escutcheons, made for Front Door Locks, Nos. 64 & 65,.....	\$0.25
407. Real Bronze Escutcheons, made for Front Door Locks, Nos. 751 & 761,.....	1.00

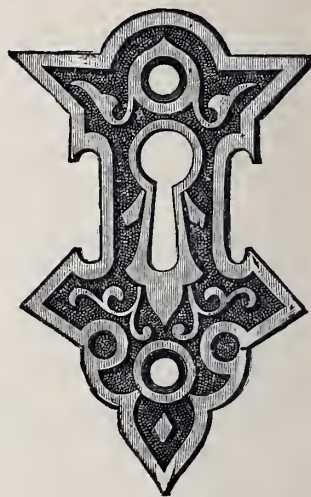
ESCUTCHEONS.



No. 363.

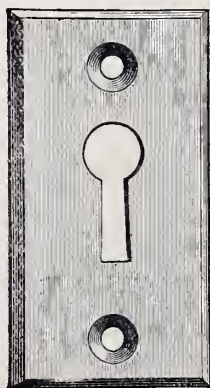


Nos. 395 and 396.

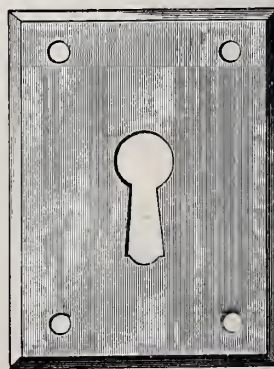


Nos. 397 and 398.

No.		Per dozen pairs.	Per pair.
362.	Porcelain Escutcheons, $\frac{3}{4}$ inch Keyhole,.....	\$0.45	\$0.06
363.	“ “ $\frac{7}{8}$ “ “ .....	.45	.06
364.	“ “ 1 “ “ .....	.45	.06
395.	Berlin Bronze Escutcheons,.....	.60	.07
396.	Real “ “	1.20	.12
397.	Berlin “ “ .....	.60	.07
398.	Real “ “	1.45	.15
1370.	Wood Escutcheons,.....	.70	.08
1372.	Hemacite Escutcheons,.....	.85	.10



No. 394.

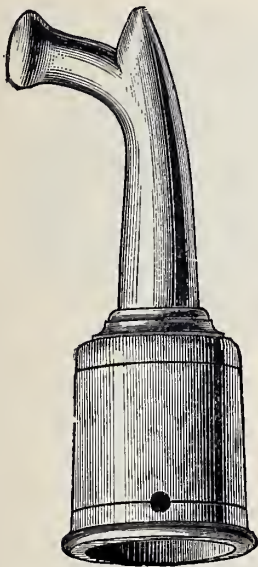


No. 1048.

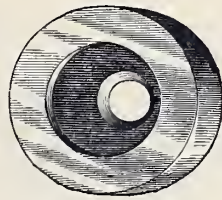
No.		Per dozen pairs.	Per pair.
394.	Plain Bronze Escutcheons,.....	\$0.75	\$0.10
1048.	“ “ “	2.00	.20

EVERY LIBRARY
COLUMBIA UNIVERSITY

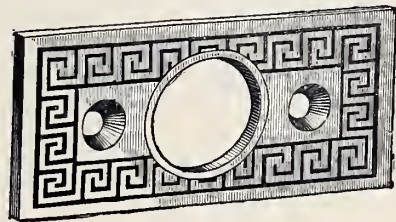
Sash-Pulls and Plates.



Sash-Pull, No. 80.



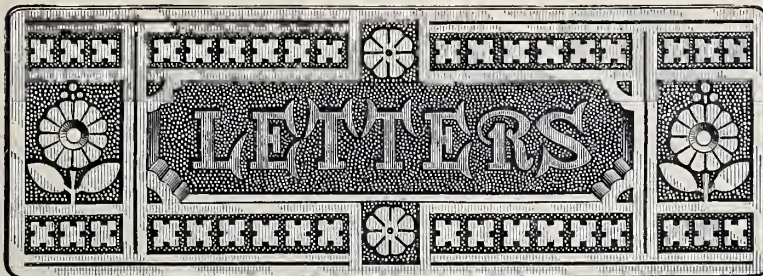
Sash-Socket, No. 400.



Sash-Plate No. 402.

No.	DESCRIPTION.	Per doz.
80.	Sash-Pull, Berlin Bronzed,.....	\$0.75
84.	“ Bronze Metal,.....	4.00
400.	Sash-Sockets, Berlin Bronzed,.....	.25
401.	“ Real Bronze,.....	1.10
402.	Sash-Plate, “ “	1.40

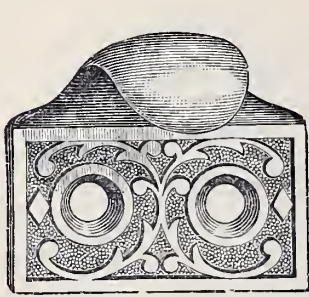
Letter Box Plates.



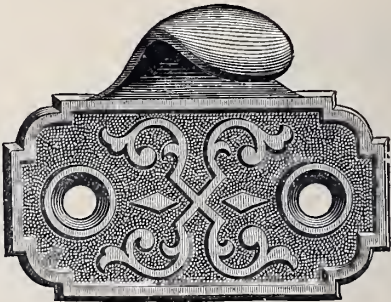
Half Size Cut.

No.	Each.
727. Berlin Bronzed,.....	\$0.30
728. Real Bronze,.....	1.00

SASH LIFTS.

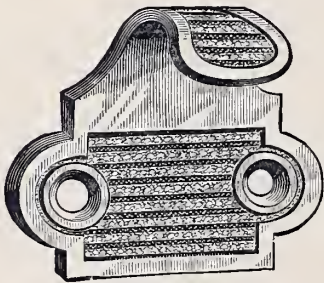


No. 420. No. 424.

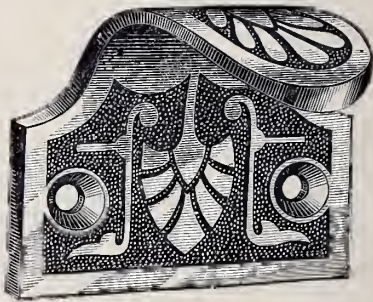


No. 421. No. 422.

No.		Per gross.	Per doz.
420.	Berlin Bronzed Sash Lifts,.....	\$1.50.	\$0.18
424.	Copper " "	1.65.	.20
421.	Berlin " "	2.10.	.22
422.	Real Bronze " .....		.80

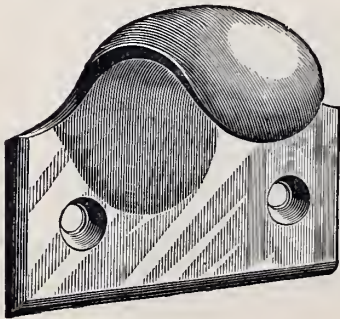


No. 427.

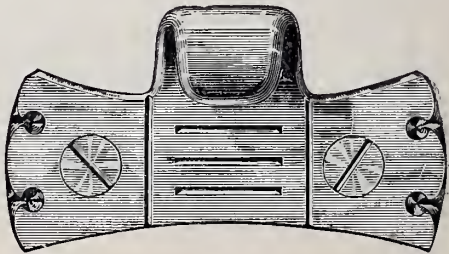


No. 425.

No.		Per doz.
427.	Real Bronze Sash Lifts,.....	\$0.90
425	" " "	2.15



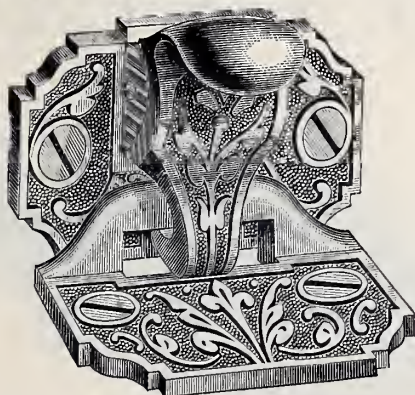
No. 423. No. 1423.



No. 1085.

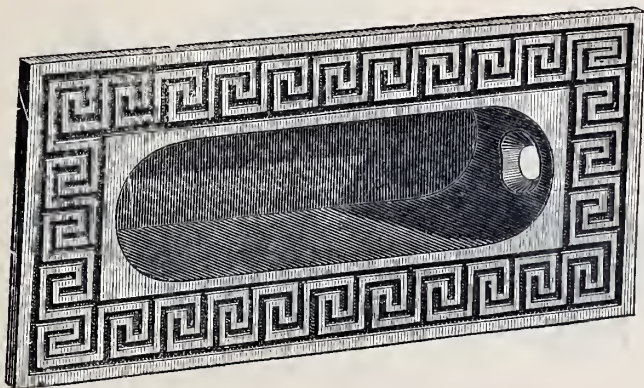
No.		Per doz.
423.	Real Bronze Sash Lifts,.....	\$2.00
1423.	Copper Bronzed "	0.35
1085.	Real Bronze "	2.00

Sash Lift and Lock.

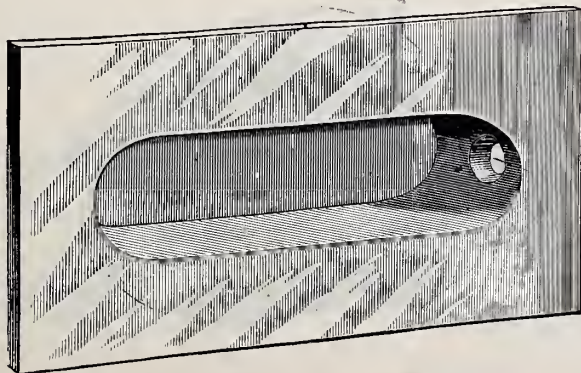


No. 428.	Berlin Bronzed, per doz., \$0.65.	No. 429.	Real Bronze, per doz., \$2.85
447.	Copper Bronzed " .75.	448.	Plain Bronze Metal, " 2.85

Flush Sash Lifts.

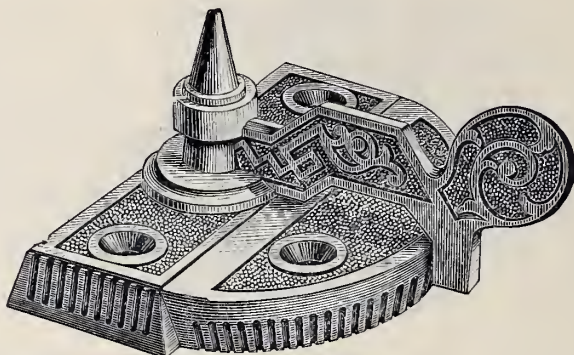


No. 830.	Berlin Bronzed Flush Sash Lifts,	per dozen, \$0.60
" 831.	Real Bronze " " " " " " " " " " " "	3.25

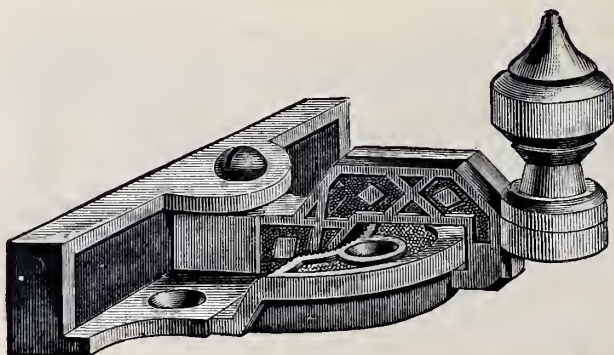


No. 832.	Copper Bronzed Flush Sash Lifts,	per dozen, \$0.75
" 833.	Real Bronze " " " " " " " " " " " "	2.00

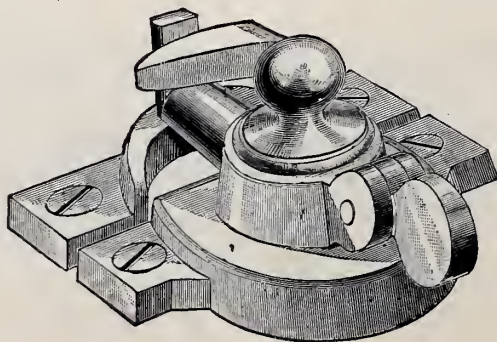
SASH FASTENERS.



No.		Per doz.
436.	Berlin Bronzed Sash Fasteners,.....	\$0.40
437.	“ “ “ “ with Porcelain Knobs,.....	.60

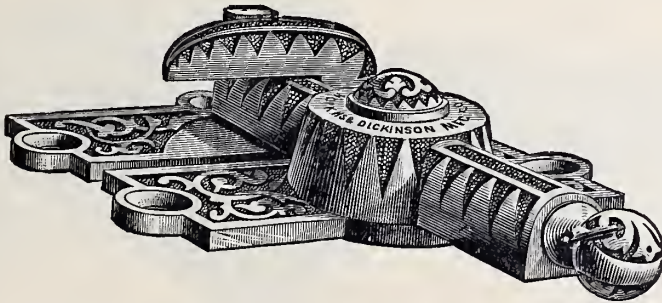


No.		Per doz.
438.	Berlin Bronzed Sash Fasteners,.....	\$1.20
439.	Real Bronze “ “	2.60

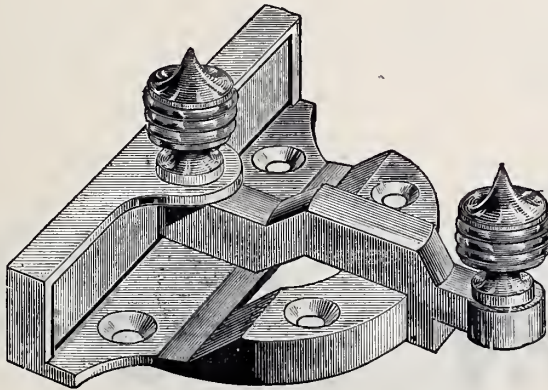


No.		Per doz.
1.	Bronzed Iron Sash Fasteners,.....	\$0.75
3.	Real Bronze “ “	3.25
5.	Ornamental Berlin Bronzed Sash Fasteners,.....	.90

Sash Fasteners.



No. 40. Ornamental Real Bronze Sash Fasteners, . . . per dozen, \$3.00



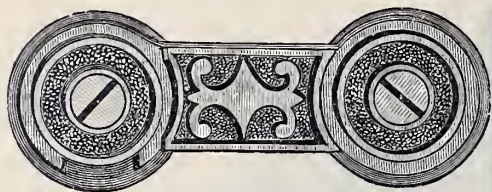
No. 1090. Plain Bronze Sash Fasteners, per dozen, \$5.00

Brass Sash Pins.

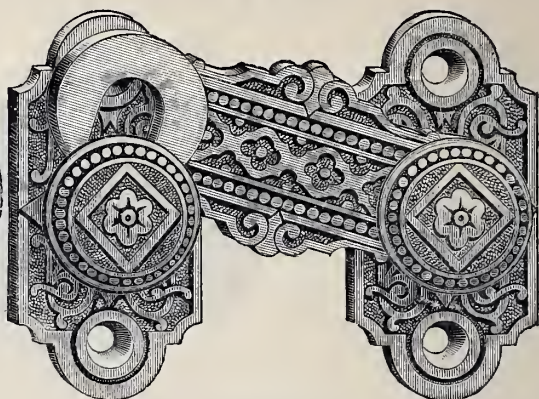


No. 233. Brass Sash Pins, 2½ inch, with Brass Plates for
Sash, per dozen, \$1.00

SHUTTER BARS.

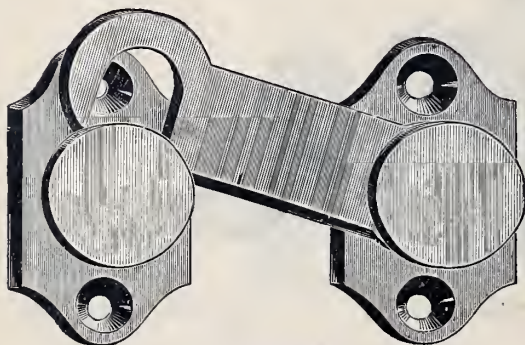


No. 455, 456, 457.

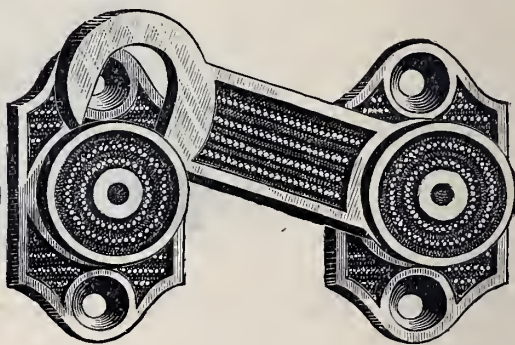


No. 460.

		Per gross.	Per doz.
No. 455.	Berlin Bronzed Shutter Bars,	\$2.55.	\$0.25
" 457.	Copper " " "	3.00.	.35
" 456.	Real Bronze " " "		1.15
" 460.	" " " " "		2.80

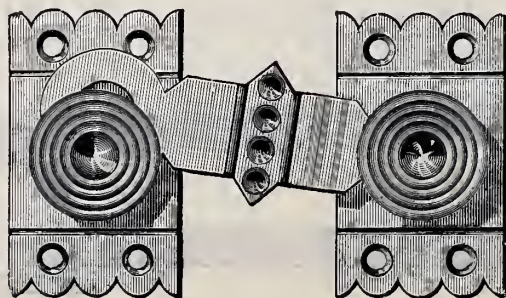


No. 463—1463.



No. 462.

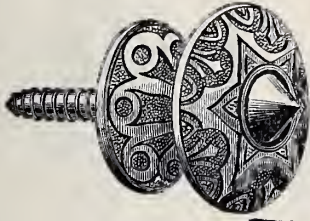
		Per doz.
No. 462.	Real Bronze Shutter Bars,	\$1.70
" 463.	" " " " "	1.85
" 1463.	Copper " " " " " .....	.70



No. 1091.

		Per. doz.
No. 1091.	2½ inch, Real Bronze Shutter Bars,	\$4.00
" 1092.	2 " " " " " " "	3.50

Bronze Shutter Knobs.



No. 450.

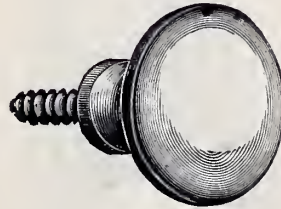


No. 451.

No.		Per gross.	Per doz.
450.	Berlin Bronzed Shutter Knobs,.....	\$3.00	\$0.30
451.	Real Bronze " "		1.15

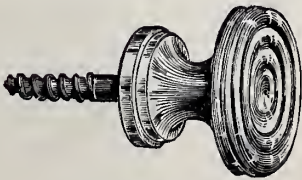


No. 452.

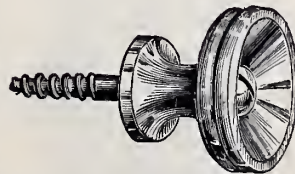


No. 453.

No.		Per doz.
452.	Real Bronze Shutter Knobs,.....	\$1.00
453.	" " " "	1.00

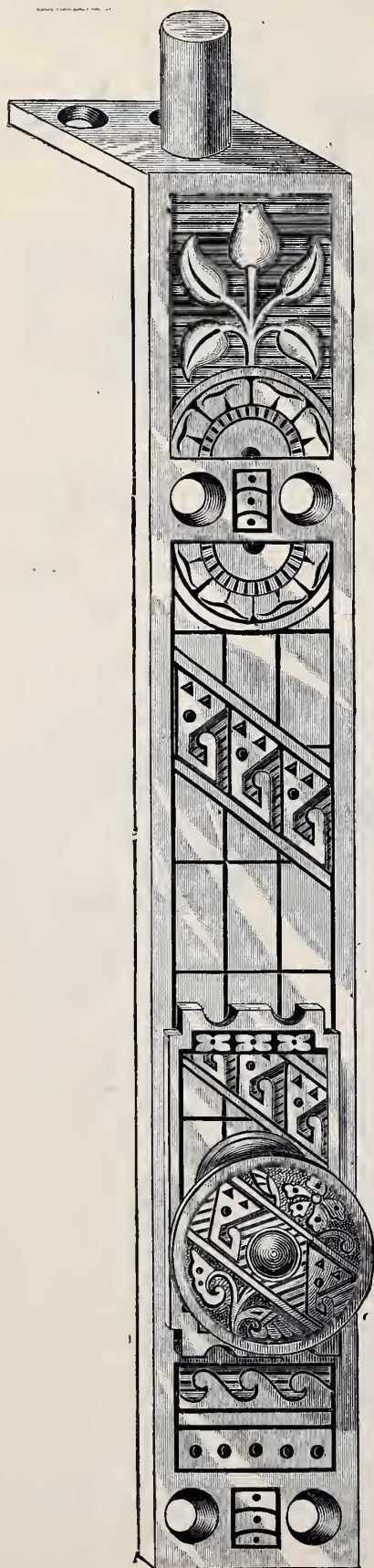


No. 1086.



No. 1087.

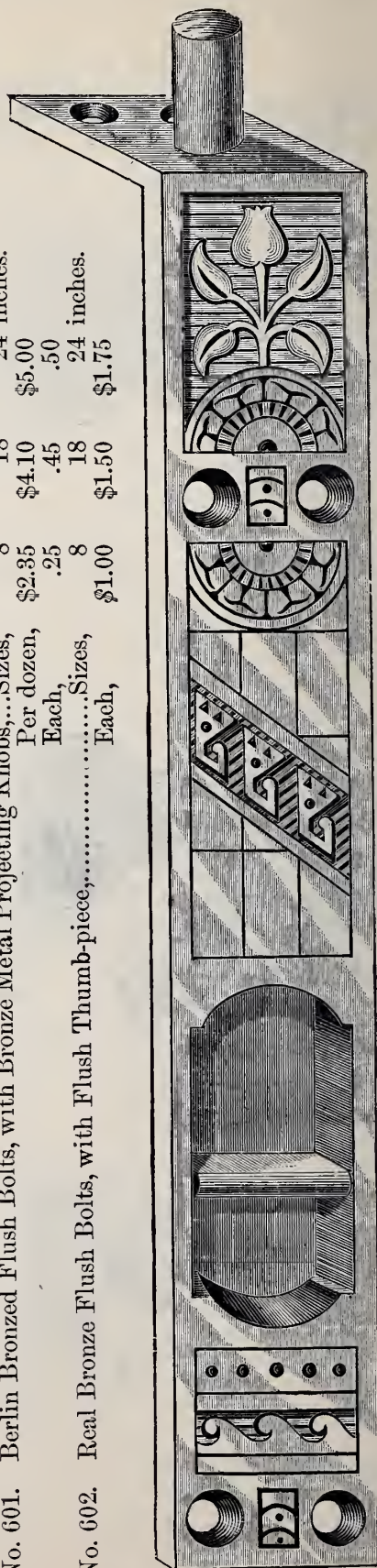
No.		Per doz.
1086.	Real Bronze Shutter Knobs,.....	\$1.00
1087.	" " " "	1.25



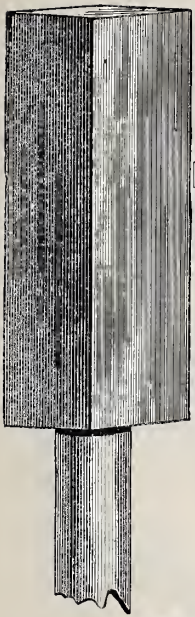
No. 601.

ORNAMENTAL BRONZE FLUSH BOOTS.

No. 600.	Berlin Bronzed Flush Bolts, with Flush Thumb-piece,.....	Sizes, Per dozen, Each,	8 \$1.50 .20	18 \$2.55 .28	24 inches. \$3.30 .35
No. 601.	Berlin Bronzed Flush Bolts, with Bronze Metal Projecting Knobs,....	Sizes, Per dozen, Each,	8 \$2.35 .25	18 \$4.10 .45	24 inches. \$5.00 .50
No. 602.	Real Bronze Flush Bolts, with Flush Thumb-piece,.....	Sizes, Per dozen, Each,	8 \$1.00	18 \$1.50	24 inches. \$1.75



Nos. 600, 602.



Ornamental Solid Bronze Mortise Flush Bolts.

No. 1210.

12	18	24	30	36 inch.
\$1.50	1.55	1.60	1.65	1.70 each

Ornamental Light Bronzed Mortise Flush Bolts.

No. 1511.

12	18	24	30	36 inch.
\$0.60	.65	.70	.75	.75 each.

Plain Solid Bronze Mortise Flush Bolts.

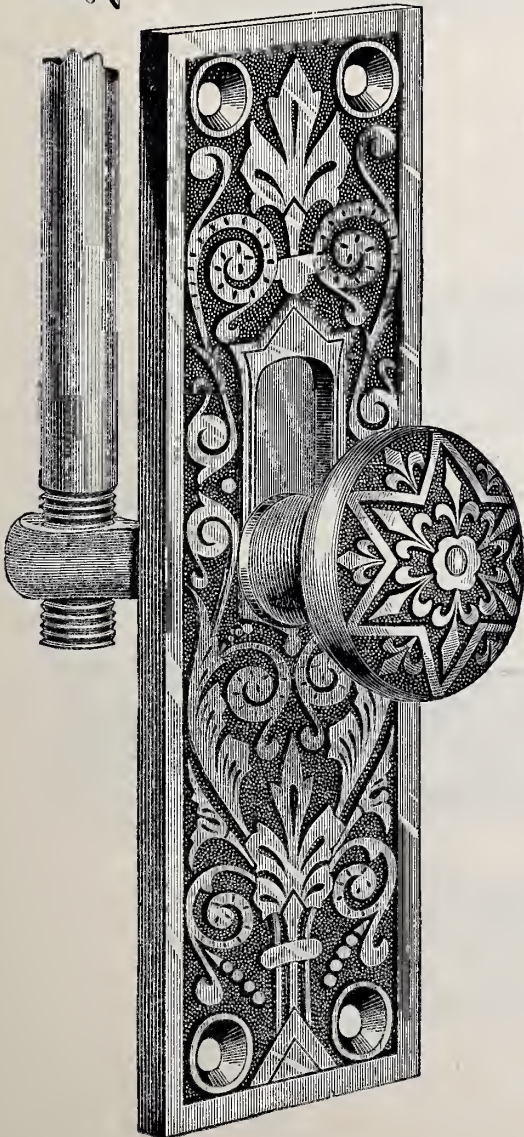
No. 608.

12	18	24	30	36 inch.
\$1.65	1.70	1.75	1.85	1.90 each.

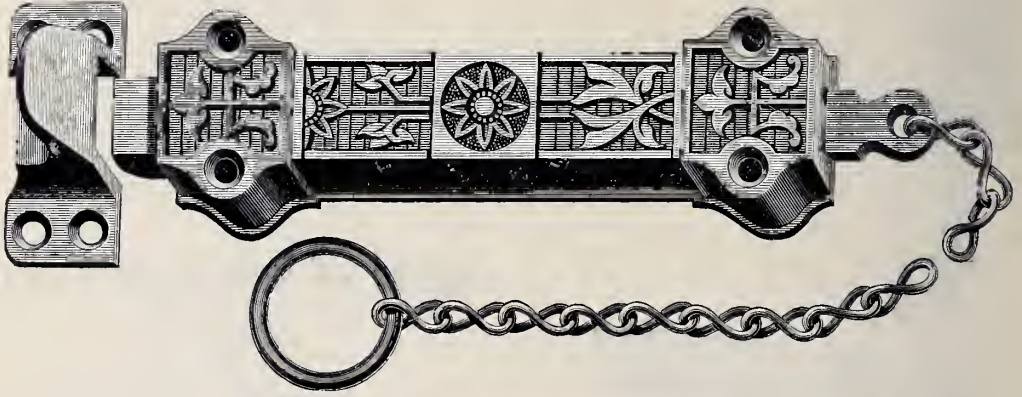
Plain Light Bronzed Mortise Flush Bolts.

No. 609.

12	18	24	30	36 inch.
\$0.60	.65	.70	.75	.75 each



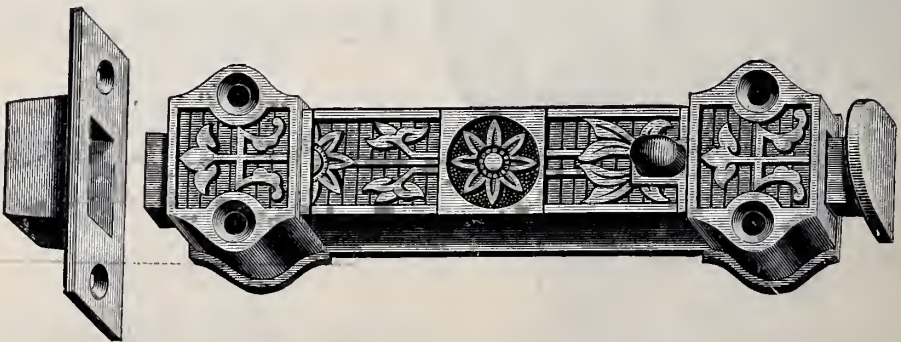
Ornamental Bronzed Door Bolts.



No. 603.

No. 603. Berlin Bronzed Chain Bolts, Sizes,	4	6	8 inch.
Per dozen,	\$1.50	\$2.20	\$2.50
Each,	.18	.22	.25

No. 604 Berlin Bronzed Foot Bolts, Sizes,	4	6	8 inch.
Per dozen,	\$1.20	\$1.85	\$2.15
Each,	.15	.20	.25



No. 604.

Wrought Iron Shutter Bolts.



580. JAPANNED PLATE. GALVANIZED BOLT.

Size,.....	6,	7,	8,	10,	12 inch.
Per dozen, without Screws,.....	\$0.95,	1.05,	1.15,	1.45,	1.65
Each, with Screws,.....	.12,	.13,	.15,	.18,	.20

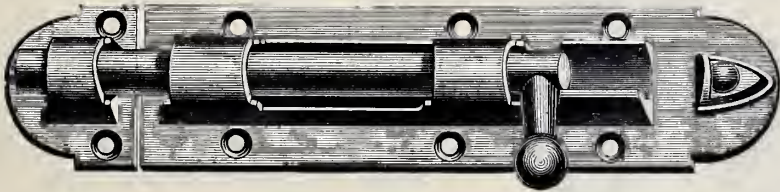
No. 581. ALL GALVANIZED.

Size,.....	6,	8,	10,	12 inch.
Per dozen, without Screws,.....	\$1.30,	1.55,	2.00,	2.35
Each, with Screws,.....	.16,	.18,	.22,	.28

No. 582. CAST IRON.

Size,.....	6,	8,	10 inch.
Per dozen, without Screws,.....	\$0.70,	.95,	1.20
Each, with Screws,.....	.10,	.12,	.15

Barrel Bolts, with Brass Knobs.



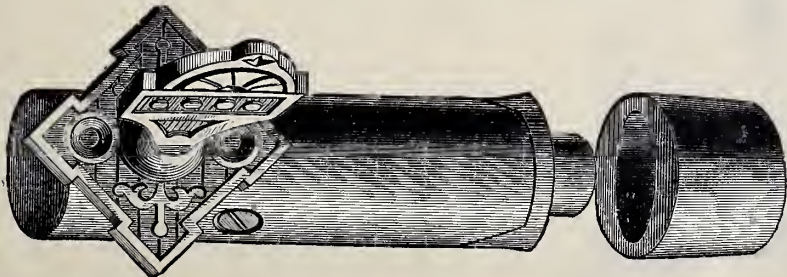
No. 586. CAST IRON BARREL BOLTS

Sizes,.....	4,	5,	6,	8 inch.
Per dozen, without Screws,.....	\$0.40,	.55,	.65,	.85

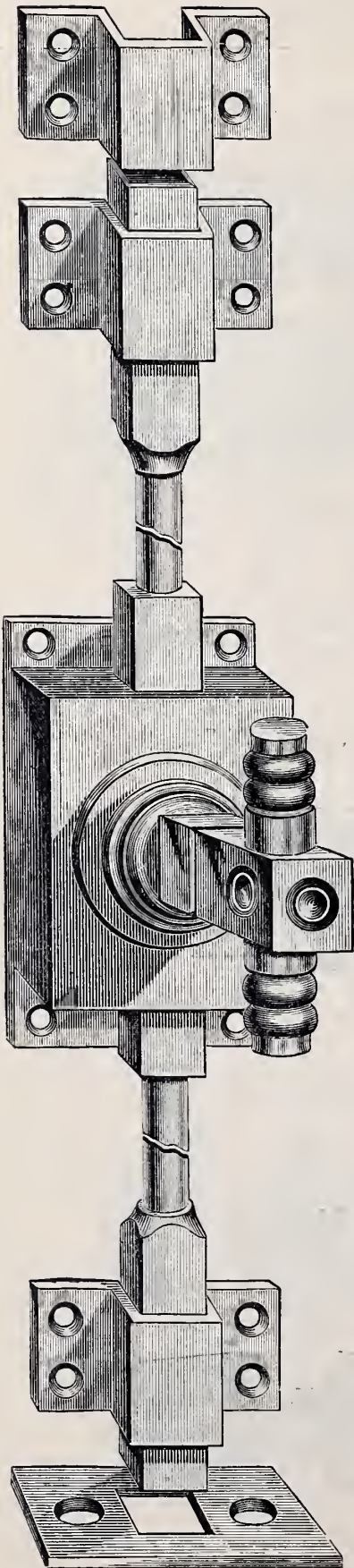
No. 585. WROUGHT IRON TOWER BOLTS.

Sizes,.....	4,	5,	6,	8 inch.
Per dozen, without Screws,.....	\$1.00,	1.10,	1.30,	1.95

Mortise Door Bolts.



No. 298. Mortise Door Bolts, with Bronze Metal Thumb-piece,.....per doz., \$1.70



Fine Polished Bronze Metal Eastlake French Window Bolt.

This Bolt is especially designed for French Windows, and may be used on any Narrow Stile Doors.

It is operated by means of T-Handle or Knob.

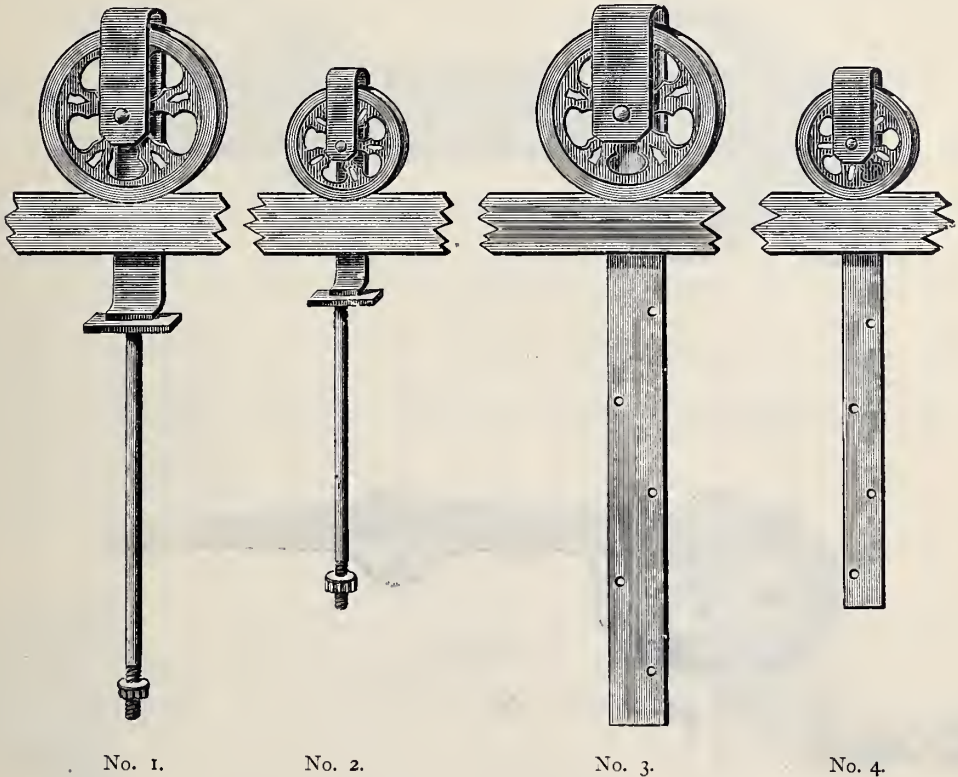
In ordering these Bolts, state exact height of Door and distance from bottom of Door to T-Handle.

No. 1150. French Window Bolt with Rods,
Guide Plates and Strikers, each,..... \$4.50

No. 1157. Ornamental Solid Bronze French
Window Bolts, each,..... 5.25

No. 1158. Ornamental Berlin Bronzed
French Window Bolts, each,..... 2.25

Shannon's Improved Sheaves for Hanging Sliding Doors.



No. 1.

No. 2.

No. 3.

No. 4.

Contrivances for hanging sliding doors from above, instead of placing the rail on the floor and having sheaves and rollers mortised into the lower rail, are distinctly American, and if we mistake not, had their origin in the city of Philadelphia. The advantages of hanging a door from above are several. There is required less guiding fixtures, and, accordingly, less friction is encountered and less force is required to operate the door. Hanging a door from the top saves any obstruction in the shape of rail or guide on the floor, and therefore permits the carpet to extend through from one room to the other without break. The Sheaves illustrated show one style of an improvement in articles of this kind introduced.

No. 1 shows a 6-inch with Hand Rail Nut, suitable for a door three feet or more in width and one and three-quarters inches or more in thickness.

No. 2 gives a 4-inch, same style of Nut, and intended for lighter doors than just mentioned, in which a lighter Sheave than the 6-inch may be used.

No. 3 displays a 6-inch with flat frame, to be used where individuals object to boring the doors for the Hand Rail Pattern, and, also, where appearance is not a matter of importance. Where this form is used, the bar is let in flush or level with the surface and painted over.

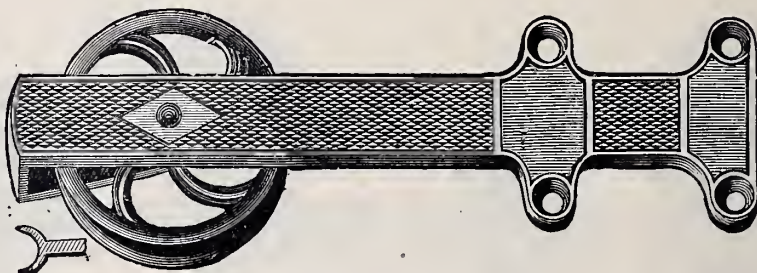
No. 4 exhibits a 4-inch Sheave of the same fashion as No. 3.

The Frames are all made entirely of Wrought Iron. The Wheels of Iron, with a Composition Pin.

The Rail is Wrought Steel Bar, two inches wide and one quarter of an inch thick, dressed semi-cylindrically or round on the upper edge to fit the Sheave, and drilled for screws to fasten it on a horizontal piece of timber which is attached to the studding. The Rail may be made heavier if desired.

6 inch, No. 1,.....each, \$1.25	6 inch, No. 3,.....each, \$1.25
4 inch, No. 2,....." 1.10	4 inch, No. 4,....." 1.10
Steel Rail, 2x1/4,.....per foot, .16	Steel Rail, 2 1/4 x 3/8,.....per foot, .25
6 inch, No. 5, Extra Deep Groove for very Heavy Door, with Hand Rail Nut,.....each, 1.50	
6 inch, No. 6, Extra Deep Groove for very Heavy Door, with wrought Flat Frame,....." 1.50	

Barn Door Hangers and Rail.



No. 210.

Size of Wheel,.....	3	4	5	6 inch.
Per pair, with Screws,.....	\$0.38	\$0.55	\$0.70	\$1.00



No. 211.

Size of Wheel,.....	3	4	5	6 inch.
Per pair, with Screws,.....	\$0.25	\$0.35	\$0.40	\$0.50



No. 212.

Barn Door Rail, in two-foot lengths, with Screws.

Per foot.

$\frac{1}{2}$ inch Oval, for 3 and 4 inch Sheaves,.....	\$0.03
$\frac{5}{8}$ " " " 5 " 6 " "04

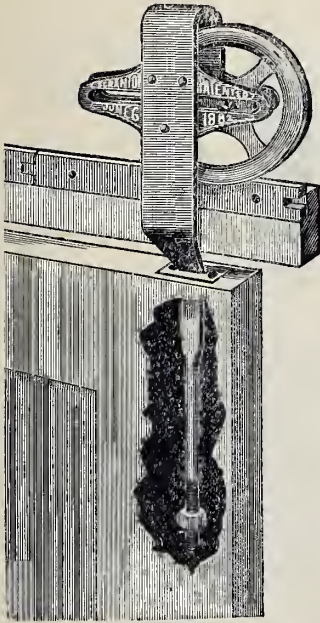


No. 213.

Per foot.

Barn Door Rail, in two-foot lengths, with Screws,.....	\$0.04
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ANTI-FRICTION SLIDING DOOR SHEAVES.



No. 206.

Anti-Friction Sliding Door Sheaves

FOR

Inside Doors of Private Dwellings.

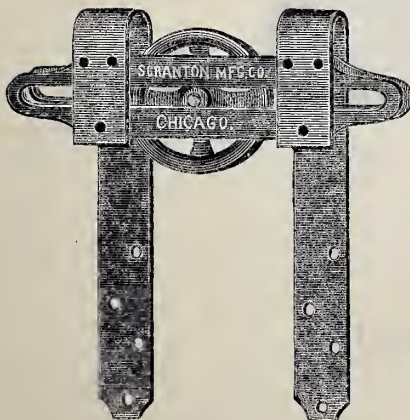
- No. 206. 4 inch Wheel Anti-Friction Sheave,
runs 4 feet 6 inches,.....each, \$1.00
“ 207. Wrought Iron Rail, $1\frac{1}{2} \times \frac{5}{16}$ inch,.....per ft. .08



No. 208.

Anti-Friction Sliding Door Sheaves with Flat Frame.

- No. 208. 5 inch Wheel, Japanned Wrought Steel
Frame for Doors not more than 10 feet
wide,.....per pair, \$1.00



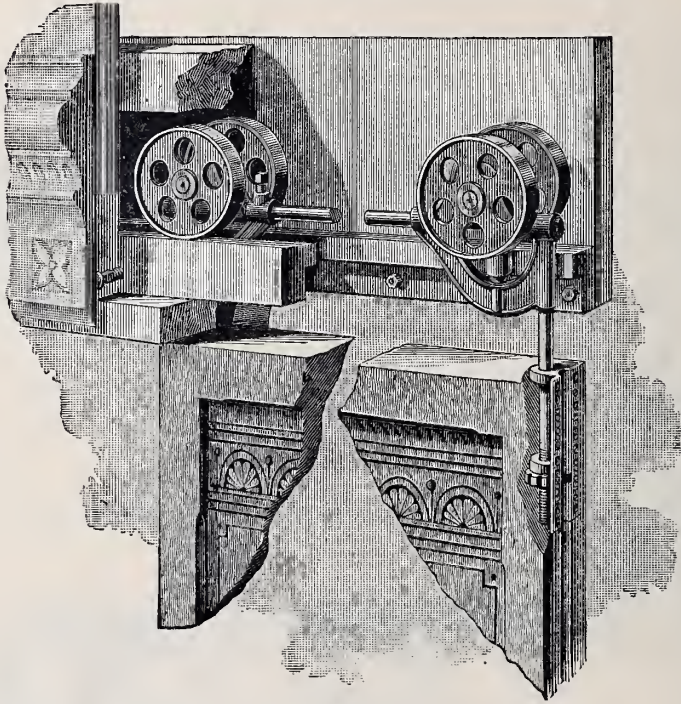
No. 209.

Anti-Friction Sliding Door Sheaves with Extra Heavy Double Flat Frame.

- No. 209. 6 inch Wheel, Japanned Wrought
Steel Frame for Doors 12 feet
wide,.....per pair, \$4.25

Warner's Patent Sliding Door Hangers.

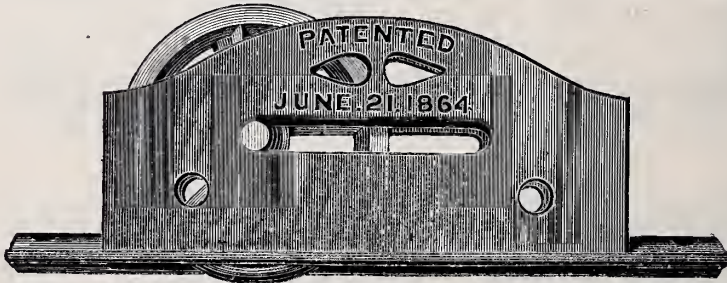
Pat'd in United States, Jan. 16, 1877. Pat'd in Canada, April 24, 1878.



Cut shows half a set.

No.		Per set.
215.	Per set of four, 3½ inch Wheel Sheaves and 28 feet of Track,.....	\$5.25
216.	“ “ 4½ “ “ “ 28 “ “	8.50
With Bronzed edge plates, either astragal or flat.		

Hatfield's Patent Roller Sliding Door Sheaves.

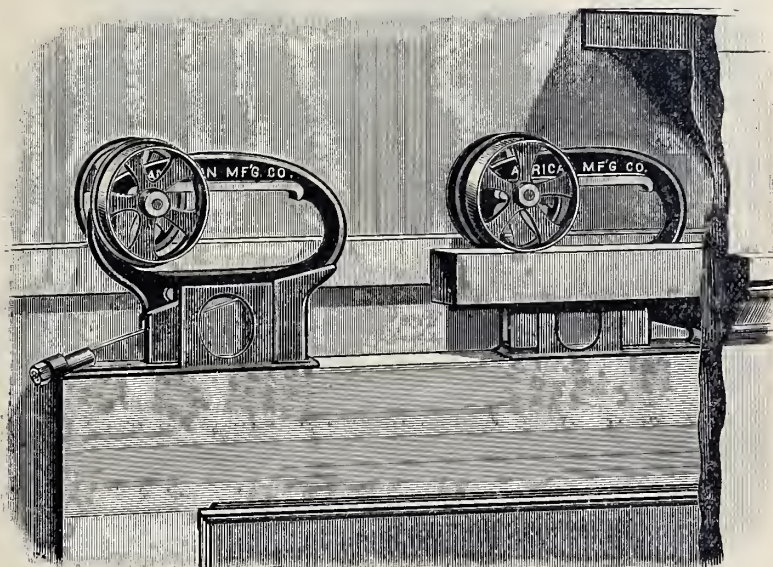


No.	Size.	SLIDING DOOR SHEAVES.	Per set of 4.
220.	2½ inch,	Hatfield's Sliding Door Sheaves, runs 30 inches,.....	\$0.95
221.	3 “	“ “ “ “ 42 “	1.20
222.	4 “	“ “ “ “ 46 “	1.50
223.	5 “	“ “ “ “ 51 “	1.85
224.	6 “	“ “ “ “ 66 “	2.15

Sliding Door Rail.

No.		FOR HATFIELD'S SHEAVES.	Per foot, with Screws.
230.	1¼ in.	Sliding Door Rail, Iron, painted White,.....	\$0.05
231.	1⅝ “	“ “ “ Wrought Brass,.....	.12

American Adjustable Anti-Friction Sliding Door Hangers.



Cut shows half a set.

The above cut illustrates the AMERICAN HANGER in position. These Hangers have advantages over all others, being more simple in construction, strong and easily adjusted. They require no deep mortising in top or side of door as is the case with other Hangers, making them less difficult to hang and giving the screws a perfect hold.

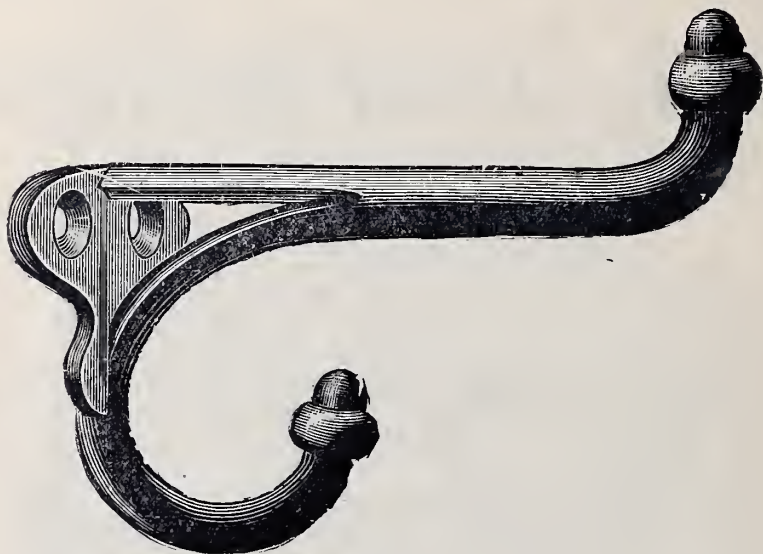
In construction all wearing surfaces are carefully milled to insure smoothness in running. A Malleable Iron Wedge, having a rise and fall of over an inch, is adjusted by a set screw, and carries the whole weight of the door. All strain comes between the stirrups directly on the wedge and NEVER ON THE ADJUSTING SCREW.

Hangers work equally well on single or double, either light or heavy doors—requiring the slightest touch to move them.

Price includes Hangers for double doors (single doors half price), and includes hard wood track for the Hangers to run upon.

No. 218. Per set of 4, 4½ inch Wheel Sheaves and 28 feet of Track.....\$4.25

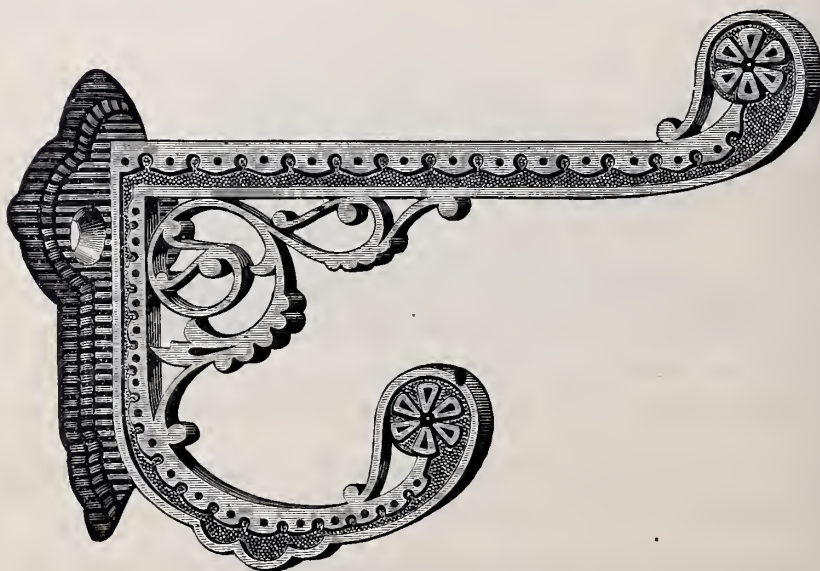
COAT AND HAT HOOKS.



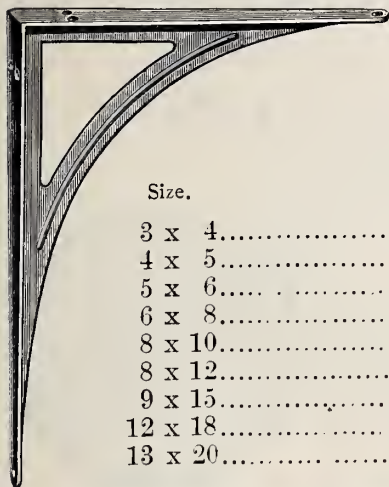
No.		Per gross.	Per doz. with screws.
540.	Japanned,.....	\$0.85	\$0.15
541.	Copper Bronzed .....	.85	.15

ORNAMENTAL BRONZE.

COAT AND HAT HOOKS.



No.		Per gross.	Per doz. with screws.
552.	Berlin Bronzed,.....	\$0.35	\$0.35
553.	Bronze Metal,.....	2.25	2.25



BRACKETS.

PLAIN JAPANNED BRACKETS.

Size.	Doz. pairs, without screws.	Per pair, with screws.
3 x 4.....	\$0.40	\$0.08
4 x 5.....	.60	.10
5 x 6.....	.70	.12
6 x 8.....	1.00	.15
8 x 10.....	1.60	.20
8 x 12.....	2.00	.25
9 x 15.....	2.50	.35
12 x 18.....	3.40	.40
13 x 20.....	4.00	.45



ORNAMENTAL BRONZED BRACKETS.

Size.	Doz. pairs, without screws.	Per pair, with screws.
4 x 5.....	\$1.10	\$0.15
5½ x 7.....	1.50	.18
6 x 8.....	1.85	.20
7 x 9.....	2.15	.25
8 x 10.....	2.75	.30
9 x 11.....	3.00	.35
10 x 12.....	4.00	.45
2 x 15.....	5.50	.55

Decorated Porcelain Number Plates.



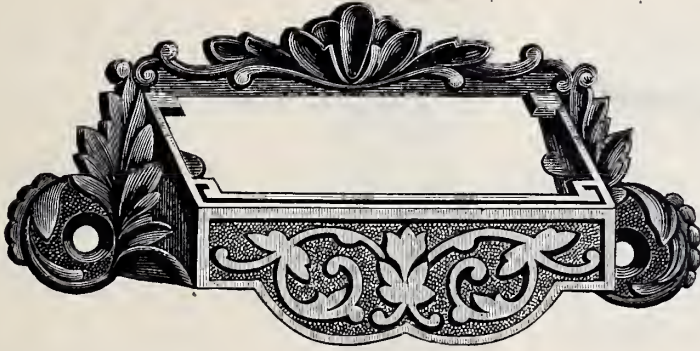
No. 435.



No. 437.

- No. 430. Large Shield, 2¾ x 3, black Nos., Gold Shade and Gold Band,per doz., \$2.50
- No. 431. Large Shield, 2¾ x 3, black Nos. only,per doz., \$2.00
- No. 432. Medium Shield, 2½ x 2¾, black Nos., Gold Shade and Gold Band, ...per doz., \$2.35
- No. 433. Medium Shield, 2½ x 2¾, black Nos. only,per doz., \$1.90
- No. 434. Pew Shields, 2 x 2¼, black Nos., Gold Shade and Gold Band,per doz., \$2.25
- No. 435. Pew Shield, 2 x 2¼, black Nos., only,per doz., \$1.80
- No. 436. Berth Shield, 1¼ x 1¼, black Nos., Gold Shade and Gold Band,per doz., \$1.40
- No. 437. Berth Shield, 1¼ x 1¼, black Nos., only,per doz., \$1.15

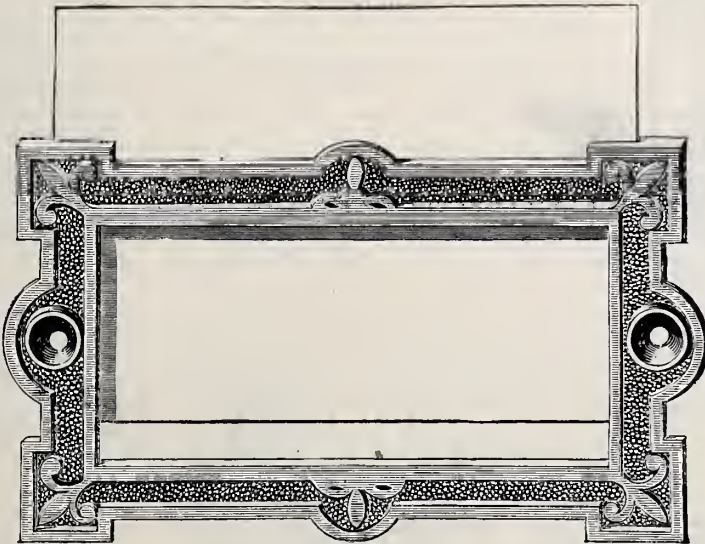
Druggists' Drawer Pulls.



No. 535.

		Per gross.	Per doz.
No. 535.	Ornamental Berlin Bronzed Druggists' Drawer Pulls for Labels, $\frac{1}{8} \times 2$,.....	\$3.10	\$0.32
" 536.	Ornamental Berlin Bronzed Druggists' Drawer Pulls for Labels, $\frac{7}{8} \times 2\frac{3}{8}$,.....	4.50	.45

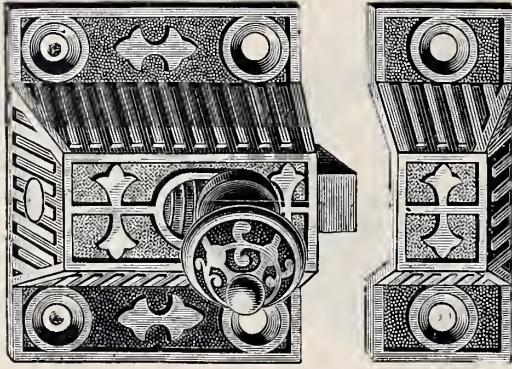
Card Frames.



No. 537.

		Per gross.	Per doz.
No. 537.	Ornamental Berlin Bronzed Card Frames, for Cards, $1\frac{1}{2} \times 3$ inches.....	\$2.25	\$0.30
" 538.	Ornamental Berlin Bronzed Card Frames, for Cards, $\frac{1}{2} \times 2\frac{3}{4}$ inches,.....	2.85	.35
" 539.	Ornamental Berlin Bronzed Card Frames, for Cards, $\frac{7}{16} \times 2\frac{1}{8}$	2.85	.35

Cupboard Catches.



No. 508.

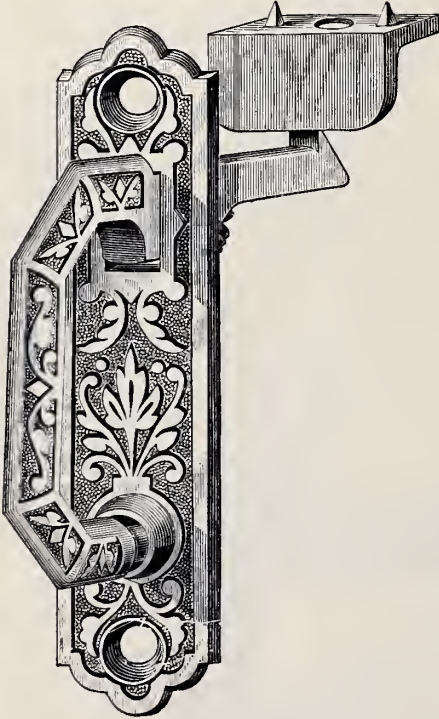
Berlin Bronzed Cupboard

Catches, per dozen,..... \$0.60

No. 509.

Real Bronze Cupboard

Catches, per dozen,..... \$2.15



No. 510.

Berlin Bronzed Cupboard Catches, per

dozen,..... \$0.60

No. 511.

ORNAMENTAL Real Bronze Cupboard

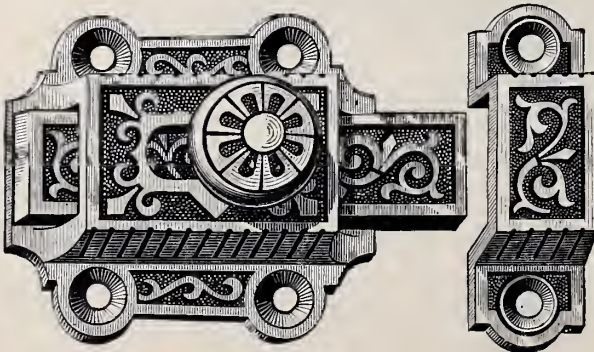
Catches, per dozen,..... \$2.35

No. 512.

PLAIN Real Bronze Cupboard Catches,

per dozen,..... \$2.85

Flat Cupboard Bolts.



No. 513.

Berlin Bronzed Bolts, with

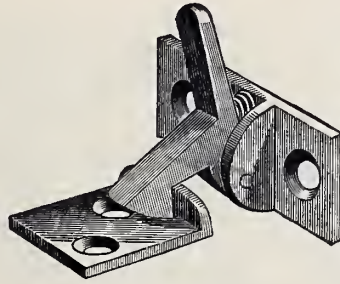
Real Bronze Knobs,

per dozen,..... \$1.10

No. 514.

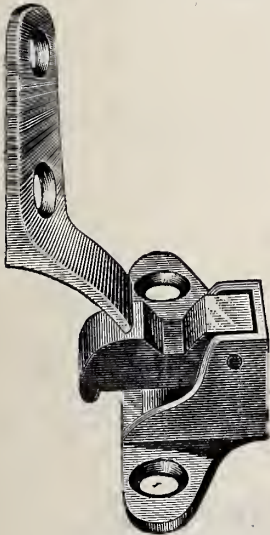
Real Bronze, per dozen,.... \$2.85

BRASS ELBOW CATCH.



No. 811.

		Per doz.	Each.
No. 811.	Cast Brass Elbow Catch,.....	\$1.60	.18
" 812.	Iron Bronze " " .....	.65	.08

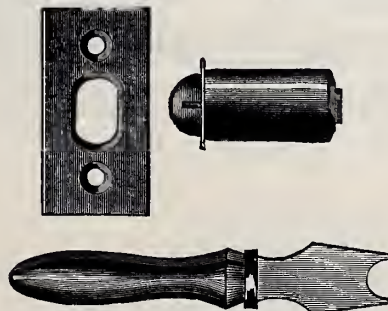


Fry's Door Holders.

			Per doz.	Each.
No 813.	Fry's Door Holders in Coppered Iron,....		\$2.00	.25
" 814.	" " Brass,.....		3.50	.35
" 815.	" " large size, Coppered Iron,		3.25	.35
" 816.	" " large size, Brass,.....		6.00	.60

Nos. 813 and 814.
This cut is full size.

Forg's Patent Door Latch.

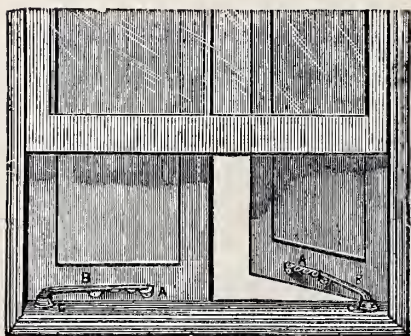


No. 817.

The best catch made for show cases and closets, easily applied and always works well.

		Per doz.	Each.
No. 817.	Forg's Patent Door Catch,.....	.75	.10

France's Shutter Holder.



SHUTTER LOCKED. SHUTTER BOWED.

OPEN OR STAYED BACK.

France's Shutter Holder does away with Bolts and Turnbuckles, and bows either Shutter independent of the other, at any desired angle.

It is much more secure than a bolt, and cannot rust and strain the shutters, or in any way get out of order. It is simple in construction, and sells for less money than the old fasteners now in use.

It avoids the danger of reaching out of the window to fasten the shutters back, and the very great inconvenience of rusty and frozen bolts. The Hooks are 7, 8 and 10 inches long, Japanned or Galvanized.

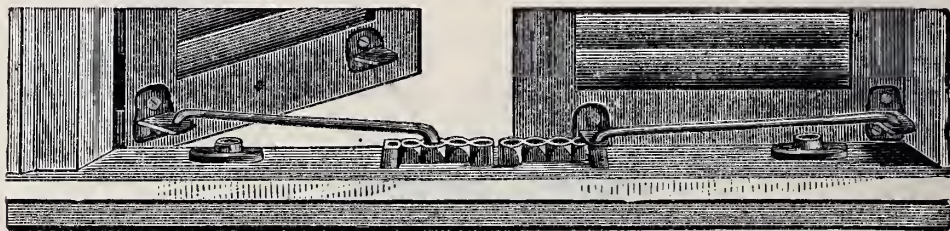
No. 705. JAPANNED.

Sizes,	7	8	10 inch.
Per dozen pairs, no Screws,.....	\$2.50	\$2.60	\$3.20
Per pair, with Screws,.....	.35	.35	.40

No. 706. GALVANIZED.

Sizes,	7	8	10 inch.
Per dozen pairs, no Screws,.....	\$3.10	\$3.20	\$4.25
Per pair, with Screws,.....	.40	.40	.45

Zimmerman's Shutter Holder.



SHOWS ONE SHUTTER BOWED AND THE OTHER LOCKED.

No. 707. JAPANNED.

Sizes,	9	10	12 inch.
Per dozen pairs, with Screws,.....	\$2 60	\$2.85	\$3.10
Per pair, with Screws,.....	.25	.30	.35

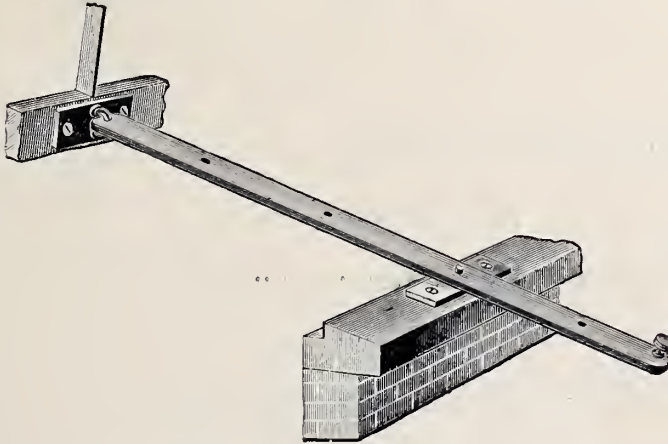
No. 708. GALVANIZED.

Sizes,	9	10	12 inch.
Per dozen pairs, with Screws,	\$3.40	\$3.70	\$4.00
Per pair, with Screws,.....	.35	.38	.40

CASEMENT SASH OPENERS.



No. 714.	12 inch Copper Bronzed Casement Sash Openers	each, \$0.50
" 715.	" Brass or Bronze Metal,.....	" 1.00
" 713.	" Galvanized Iron,.....	" .65



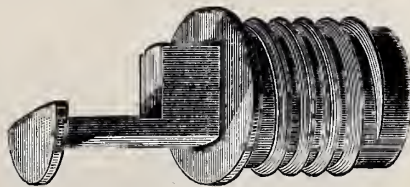
No. 716.	15 inch, Wrought Iron Sash Openers,.....	each, \$0.40
" 717.	" " " Sash Openers, Copper Bronzed,.....	" .65

WINDOW SPRINGS.



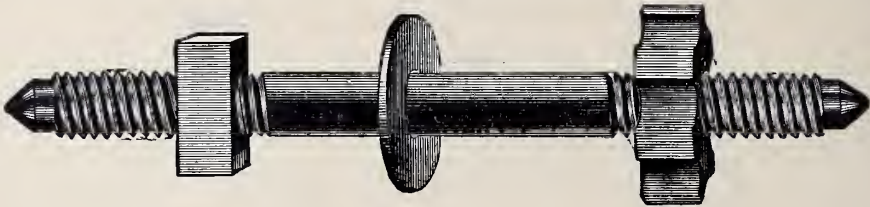
		Per gross.	Per doz.
No. 478.	Japanned Window Springs,.....	\$0.95.	\$0.13
" 479.	Tinned " "	2.10.	.25

SCREW SOCKET WINDOW SPRINGS.



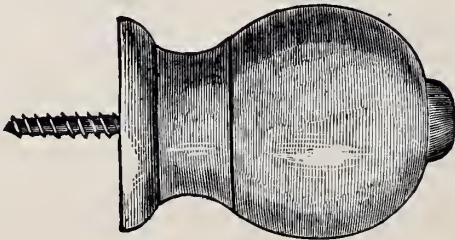
No. 301.	Malleable Iron Bolt,.....	per doz., \$0.30
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HAND RAIL SCREWS.



		4 inch.	4½ inch.	5 inch.	5½ inch.
5-16.	No. 51, Single Nut, per Gross,	\$2.55	2.85	3.20	3.40
	per Dozen,	.28	.30	.35	.40
3-8.	No. 61, Single Nut, per Gross,	\$3.20	3.20	3.50	3.85
	per Dozen,	.36	.36	.40	.45
5-16.	No. 52, Double Nut, per Gross,	\$2.90	3.20	3.50	3.85
	per Dozen,	.35	.38	.40	.45
3-8.	No. 62, Double Nut, per Gross,	\$3.80	4.10	4.20	4.50
	per Dozen,	.40	.45	.50	.55

DOOR STOPS.



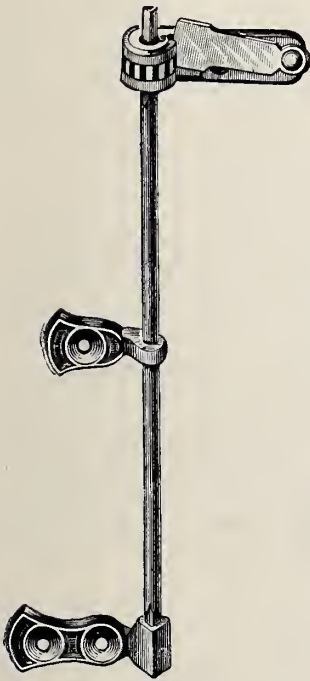
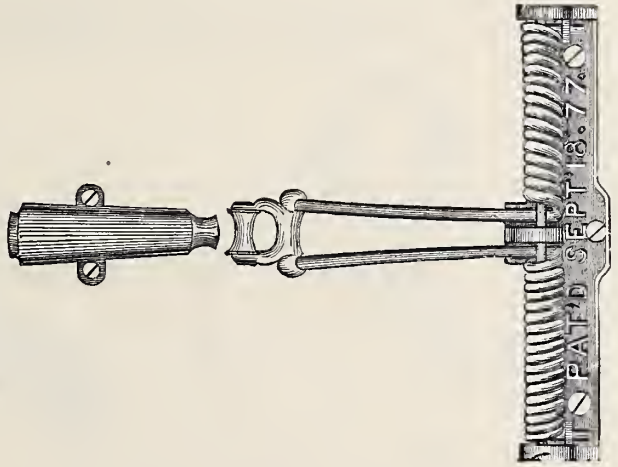
RUBBER TIP, IRON SCREW.

Birch.			Black Walnut.		
Inch,	2½	3	Inch,	2½	3
Per gross,	\$2.35	\$2.60	Per gross,	\$3.15	\$3.40
Per dozen,	.25	.30	Per dozen,	.35	.40

DOOR SPRINGS.

To be fastened in a straight line
with the Hinges.

No.	Doz. no screws.	Each, with screws.
1. 4½ in. Door Springs,	\$2.60	\$0.30
2. 6 " " "	3.25	.35
3. 7½ " " "	4.50	.45



Torrey's Adjustable Door Spring.

The Spring can be put on, and any amount of power applied by a child ten years of age, and is equally applicable to closing the door or holding it open. By simply Sliding the Catch, the power can at pleasure be instantly removed, and the door allowed to act entirely free.

The same Spring is suitable for a Right or Left Hand Door.

Per doz., with screws,	\$1.50
Each, with screws,	.20

Star Door Springs.

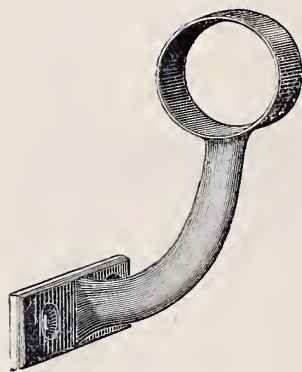
No.		Per doz.	Each.
4.	10 inch Coppered Door Spring,	\$0.75	\$0.10
2.	12 " " "	1.40	.20
1.	13 " " "	1.90	.22

These Springs are made of the best materials, and the method of adjusting them is convenient and effective.



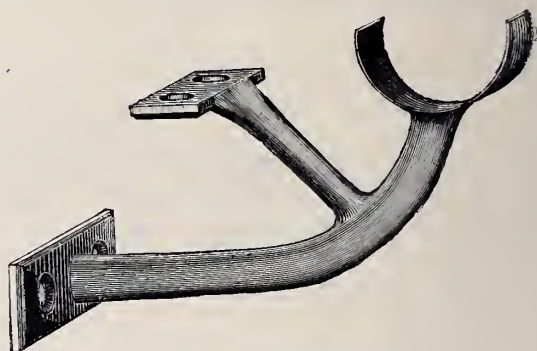
Door Pulls and Finger Plates in great variety.

BAR RAIL BRACKETS.



No. 860.

These cuts are one-third size.



No. 862.

No. 860.	Polished Brass Bar Rail Brackets,	each,	\$1.50
" 861.	" " " Nickel-Plated,	"	1.85
" 862.	" " " " " " " " " " " "	"	2.00
" 863.	" " " " " " " " " " " "	"	2.50

Any size or shape Bracket made to order.

In ordering Brackets please send size and position of Rail and Counter.

REVOLVING WINDOW VENTILATORS.



These Ventilators are entirely noiseless; they are used to prevent Steam and Frost on Show Windows.

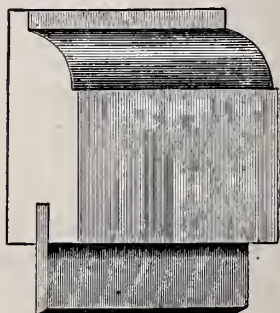
No.		Per doz.	each.
870.	6½ inch, Brass Ventilators, with Storm Caps,	\$17.50.	\$1.60
871.	8½ inch, Brass Ventilators, with Storm Caps,.....	30.00.	2.75

Valentine's Patent

FELT WEATHER STRIPS FOR THE EXCLUSION OF COLD, WIND, DUST AND SNOW.



No. 0.



No. 2.

Per foot.

No. 0.	For Sides, Tops and Bottoms of Windows,.....	\$0.02½
No. 2.	For use on Doors,.....	.06

Copper Sash Chain for Heavy Sash.



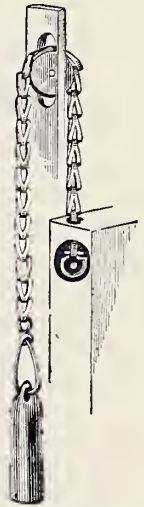
ABLE CHAIN.

CABLE CHAIN.

No.		Per foot.
20.	Chain for a Sash of 150 lbs.,	\$0.11
30.	“ “ “ 100 “	.10
40.	“ “ “ 75 “	.09
	Hooks and Attachments, per Sash Weight,	.06

CHAMPION CHAIN.

No.		Per foot.
1.	Chain for a Sash of 90 lbs.,	\$0.05
2.	“ “ “ 60 “	.04½
	Hooks and Attachments, per Sash Weight,	.03



CHAMPION CHAIN.

SASH CORD.



	¼ inch. Per hank of 100 feet.	5-16 inch. Per hank of 100 feet.
White Cotton Braided Sash Cord,	\$0.75	\$1.05
Drab “ “ “	.85	1.15

SHOE THREAD SASH CORDS.

	Per hank of 180 feet.
Shoe Thread Sash Cord, ¼ inch,	\$1.40
“ “ “ 5-16 inch,	1.75
“ “ “ ¾ inch,	2.75

ITALIAN LEAD LINES.

	Per hank of 90 feet.
Italian Lead Lines, ¼ inch,	\$0.60
“ “ “ 5-16 inch,	.90

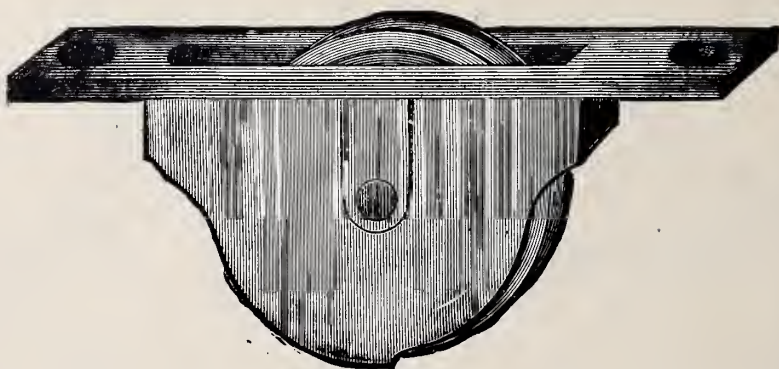
INDIA HEMP SASH CORD.

	Per hank of 100 feet.
India Hemp Sash Cord, ¼ inch,	\$0.35
“ “ “ 5-16 inch,	.60

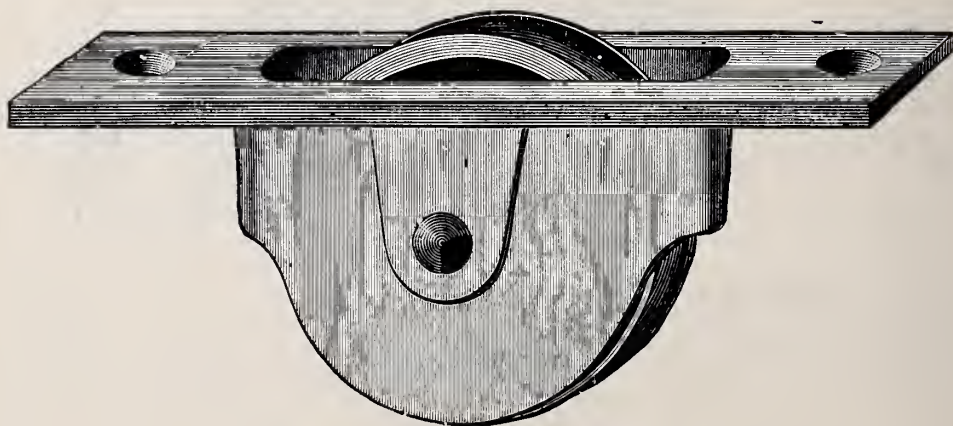
KENTUCKY FLAX SASH CORD.

	Hanks of 180 feet.	Pieces of 30 feet.
Kentucky Flax Sash Cord, Common,	\$0.75	\$0.15
“ “ “ “ Best Patent,	.95	.20

FRAME PULLEYS.



No.	Size.		Per doz. bulk.	Per doz. in papers.
640.	1 $\frac{3}{4}$ inch.	Light Frame Pulleys.	\$0.17	\$0.18
641.	1 $\frac{3}{4}$ "	Heavy " " " "	.18	.19
642.	2 "	Polished Wheel, Painted Front Frame Pulley		.26

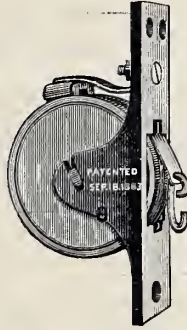


No.	Size.		Per doz.
650.	2 inch.	Polished Wheel Painted Front Frame Pulley,	\$0.38
651.	2 $\frac{1}{4}$ "	" " " " " "	.50
652.	2 $\frac{1}{4}$ "	Polished and Bronzed Face and Wheel Frame Pulley,	.70
653.	2 "	Heavy Polished and Bronzed Face and Wheel Frame Pulley,	.60
654.	2 $\frac{1}{2}$ "	" " " " " "	.75

Extra Heavy Frame Pulleys, Polished Wheel, $\frac{3}{8}$ inch Phosphor Bronze Pins.

No.	Size.		Per doz.
740.	2 $\frac{1}{4}$ inch.	Extra Heavy Frame Pulley, Polished Face and Wheel,	\$1.35
741.	2 $\frac{1}{2}$ "	" " " " " "	1.65
742.	2 $\frac{3}{4}$ "	" " " " " "	2.15

SHUMARD SASH BALANCE.

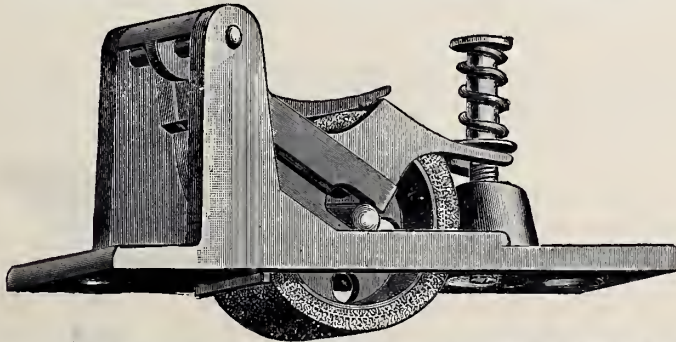


- 1st. It obviates the use of box frames, weights, and ropes.
- 2d. It is easy of attachment either in old houses or in new.
- 3d. It is a durable and permanent piece of hardware, and an ornament.
- 4th. The sash, when balanced, remains exactly where placed—it requiring a slight pressure to move it up or down.
- 5th. Each sash acts independently of the other.
- 6th. The sash can be removed by taking it off the hooks.
- 7th. Glass fronts, bay windows, etc., can be built close together, as no boxes are needed.

PRICE LIST.

Sash, 8 lbs.	Length, 32 inches.	Price, \$1.00 per pair.
" 10 "	" 32 "	" 1.10 "
" 12 "	" 32 "	" 1.20 "
" 14 "	" 36 "	" 1.30 "
" 16 "	" 36 "	" 1.40 "
" 18 "	" 36 "	" 1.50 "
" 20 "	" 36 "	" 1.60 "
" 22 "	" 41 "	" 1.75 "
" 24 "	" 41 "	" 1.85 "
" 26 "	" 41 "	" 1.95 "
" 28 "	" 41 "	" 2.05 "
" 30 "	" 41 "	" 2.15 "
" 32 "	" 46 "	" 2.35 "
" 34 "	" 46 "	" 2.60 "
" 36 "	" 46 "	" 2.80 "
" 38 "	" 46 "	" 3.00 "
" 40 "	" 46 "	" 3.25 "

HUGUNIN PATENT SCREW SASH BALANCE.



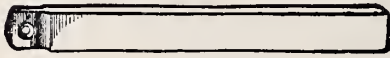
THE HUGUNIN IMPROVED ADJUSTABLE SCREW SASH BALANCES.

Size.	Dimensions.	Capacity.	Each.
No. 2.	4 1/8 x 1 1/8 inches.	20 lbs. and under each sash.	\$0.25

MUCH CHEAPER THAN WEIGHTS.

The Sashes are closed by a slight pressure of the hand. Automatically controlled friction is used only while holding Sash, or balancing their weights.

SASH WEIGHTS.



Square.



Round.

Iron Sash Weights per lb., **\$0.01¹/₈**

In ordering Sash Weights please state if Square or Round Weights are wanted.
Lead Sash Weights and special size Iron Sash Weights made to order at short notice.

Eureka Stair Rail Bracket.

ADJUSTABLE
TO ANY ANGLE
DESIRED.



Cut shows bracket perpendicular and rail at an incline.

Strongest, Easily Adjusted and Quickly Applied.

MAROON BRONZED.

	Per doz.	Each.
No. 4, 3 in. projection,	\$1.15	\$0.12

HAND RAIL OR STAIR RAIL BRACES.



No. 680.

		Per doz.	Each.
No. 680.	Hand Rail Braces, 5½ inches long,	\$0.90	\$0.12
" 681.	" " " with Round Rosette,	1.10	.15

FLAT HEAD IRON SCREWS.



5/8 inch, Nos.....			4	5	6
Per Gross.....			\$0.12	.13	.14
3/4 inch, Nos.....	5	6	7	8	9
Per Gross.....	\$0.14	.15	.16	.17	.19
1 inch, Nos.....		8	9	10	12
Per Gross.....		\$0.20	.22	.25	.31
1 1/4 inch, Nos.....		9	10	11	12
Per Gross.....		\$0.25	.27	.30	.33
1 1/2 inch, Nos.....	10	11	12	13	14
Per Gross.....	\$0.30	.34	.37	.42	.46
2 inch, Nos.....	12	14	16	18	20
Per Gross.....	\$0.46	.55	.67	.83	.98

Patent Diamond Point Steel Screw-Nails.



Size.....Measurement from under head to point.

These Screws can be readily driven with a hammer their entire length into the most thoroughly seasoned oak, maple, hickory, or other hard wood ; or, if greater holding strength be required, they may be partially driven by hammering, and then turned to place with a screw-driver.

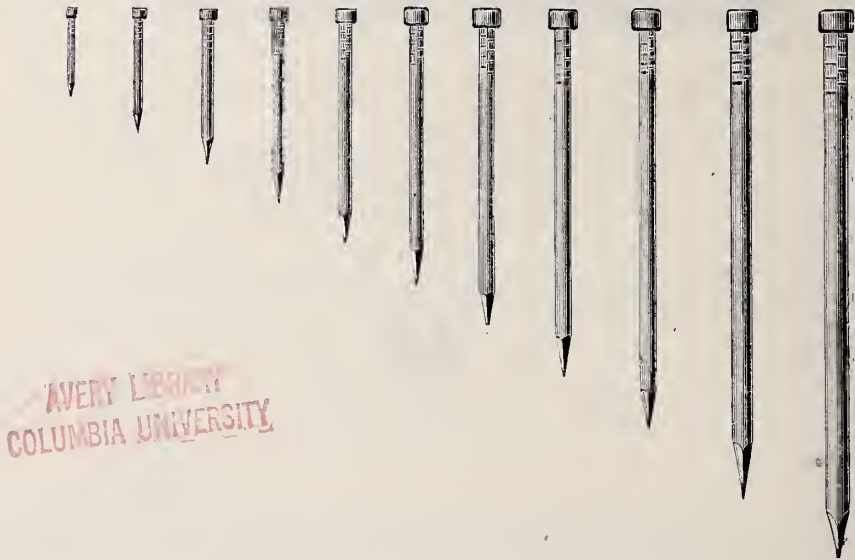
In all cases they can be easily removed with a screw-driver, regardless of the manner in which they may have been driven.

The head is made convex to strengthen it and prevent its splitting when struck with a hammer.

The thread is of the ratchet form, which permits its penetration without tearing the wood fibres, and consequently its holding capacity is increased by a large percentage over the ordinary wood screw, driven in the usual manner.

Size.	No. 4	6	8	10	12	14	16
1-2 inch.	\$0.15	\$0.15					
3-4 "	.15	.16	\$0.18	\$0.21			
I "	.17	.19	.21	.24	\$0.29		
I 1-4 "		.22	.25	.29	.34		
I 1-2 "		.25	.28	.33	.40	\$0.47	\$0.55
I 3-4 "		.29	.33	.37	.42	.52	.63
2 "			.37	.42	.47	.58	.71
2 1-2 "				.53	.59	.68	.85
3 "					.85	.88	1.04
3 1-2 "					1.10	1.14	1.22

Steel Wire Brads.



Length,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3
Wire Gauge,	20	18, 19	17, 18, 19	15, 17, 18	15, 16	14, 15	13, 14, 16	13, 15	11, 14	10, 13	10, 12
Per lb.,	\$0.20	.15 .16	.12 .13 .14	.10 .11 .12	.8 .9	.8 .8	.7 .8 .9	.7 .8	.6 .8	.6 .7	.6 .7

Finishing Nails, (Bright).



Inch.,.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Per Dozen Papers,	\$1.95	1.60	1.35	1.20	1.10	.90	.85	.80	.80
Per Paper.....	\$0.20	.16	.14	.12	.11	.09	.09	.08	.08

One lb. in a Paper.

Special Rates by Case.

Price in Bulk same as Papered.

Clout Nails same Price as Finishing,

CUT NAILS, IRON and STEEL. ROUND STEEL WIRE NAILS.



The following information will be found useful to Carpenters.

NUMBER OF NAILS TO THE POUND.

Size.	Length.	Iron Cut Nails.	Steel Cut Nails.	Round Steel Wire Nails.	Wire Gauge of Standard Sizes of Steel Wire Nails.
3d.	1 $\frac{1}{4}$ inches	480	480	720	15
3d. fine	1 $\frac{1}{8}$	760	760	1140	16
4d.	1 $\frac{1}{2}$	288	288	432	14
5d.	1 $\frac{3}{4}$	200	200	300	13
6d.	2	168	168	252	13
7d.	2 $\frac{1}{4}$	124	124	186	12
8d.	2 $\frac{1}{2}$	88	88	132	11
10d.	3	58	58	87	10
12d.	3 $\frac{1}{4}$	44	44	66	9
20d.	4	23	23	35	7
30d.	4 $\frac{1}{2}$	18	18	27	6
40d.	5	14	14	21	5
50d.	5 $\frac{1}{2}$	10	10	15	4
60d.	6	8	8	12	3

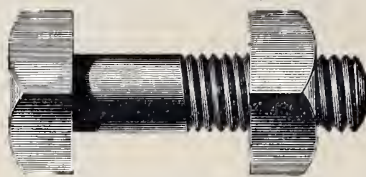
Base Price of Nails Furnished on Application.

	Iron Cut Nails.	Steel Cut Nails.	Round Steel Wire Nails.
10 to 60d, Nails, Base price, per keg,	.	.	.
8d Nails and Brads, extra, . . . .	.25	.25	.35
6d and 7d Nails, " . . . .	.50	.50	.75
4d and 5d " . . . .	.75	.75	1.10
3d "	1.50	1.50	2.25
3d fine "	2.50	2.50	3.75
Spikes, all sizes, . . . .	.25	.25	.35

Finishing Nails, \$1.00 per keg higher than same size Cut Nails.

MACHINE BOLTS.

WITH SQUARE HEADS AND NUTS, FINISHED POINTS.



1	Length,	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/2	4	4 1/2	5	6	7
—	Per Doz.,	16	16	16	17	17	17	18	18	21	21	22	24	25
4	Each,	2	2	2	2	2	2	3	3	4	4	4	4	4
5	Length,	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/2	4	4 1/2	5	6	7	
—	Per Doz.,	17	17	17	17	18	18	21	21	23	24	25	27	
16	Each,	2	2	2	2	3	3	4	4	4	4	4	4	
3	Length,	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2
—	Per Doz.,	18	18	19	19	21	22	24	24	25	27	28	30	33
8	Each,	3	3	4	4	4	4	5	5	5	5	5	6	6
7	Length,	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2
—	Per Doz.,	21	21	22	22	23	24	27	28	30	30	33	33	36
16	Each,	3	3	4	4	4	5	5	5	5	6	6	6	7
1	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
—	Per Doz.,	24	26	26	28	30	30	33	33	36	36	39	42	45
2	Each,	4	4	5	5	5	6	6	7	7	8	8	8	9
9	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
—	Per Doz.,	30	30	33	33	36	42	45	48	51	54	60	66	69
16	Each,	6	6	6	6	7	7	8	8	8	8	8	8	9
5	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	9	10
—	Per Doz.,	33	33	36	36	40	45	48	52	56	60	70	75	80
8	Each,	6	6	6	6	7	7	8	8	8	8	8	9	9
3	Length,	3	4	5	6	7	8	10	12	15				
—	Per Doz.,	54	60	66	69	75	81	96	105	120				
4	Each,	8	8	8	8	9	9	10	11	13				

SQUARE HEAD WOOD SCREWS.

5	Length,	1 1/2	2	2 1/2	3									
—	Per Doz.,	16	16	18	18									
16	Each,	2	2	3	3									
3	Length,	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	
—	Per Doz.,	18	18	20	20	21	21	23	26	27	29	33	36	
8	Each,	3	3	3	3	4	4	4	4	5	5	5	6	
7	Length,	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	
—	Per Doz.,	18	20	22	22	23	23	24	26	27	29	33	36	
16	Each,	3	3	3	3	4	4	4	4	4	4	5	5	
1	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	9	10
—	Per Doz.,	23	24	25	26	27	28	29	32	33	36	39	44	46
2	Each,	3	3	4	4	4	4	4	5	5	5	6	7	7
9	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	9	10
—	Per Doz.,	26	27	29	31	33	37	40	43	43	46	50	53	56
16	Each,	4	4	4	4	5	5	6	6	6	7	7	8	8
5	Length,	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	9	10
—	Per Doz.,	27	28	30	33	35	38	41	45	48	52	55	58	66
8	Each,	5	5	5	5	5	5	6	6	6	6	7	7	8
3	Length,	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8	9	10	11	12
—	Per Doz.,	44	47	50	53	58	60	63	66	75	78	80	95	105
4	Each,	6	6	6	6	7	7	7	7	8	8	9	11	13

WROUGHT IRON WASHERS.

1	inch diameter,	1/4	inch hole for	3/16	inch bolt.....	per lb.,	21c.
1	"	5/16	"	1/4	"	"	18c.
1	"	3/8	"	5/16	"	"	15c.
1	"	1/2	"	3/8	"	"	12c.
1	"	5/8	"	1/2	"	"	9c.
1	"	3/4	"	5/8	"	"	8c.
1	"	7/8	"	3/4	"	"	7c.
1	"	1	"	7/8	"	"	7c.
2	"	1 1/8	"	1	"	"	7c.
2 1/2	"	1 1/4	"	1 1/8	"	"	7c.
2 1/2	"	1 1/2	"	1 1/4	"	"	7c.

Hods.

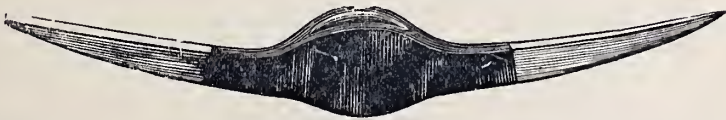


Mortar Hods,	each, \$1.20
Brick, "	" 1.10

Mortar Hoes.

Handled Mortar Hoes, 9 inch Blade,	each, \$0.75
" " " 8½ " "	" .70

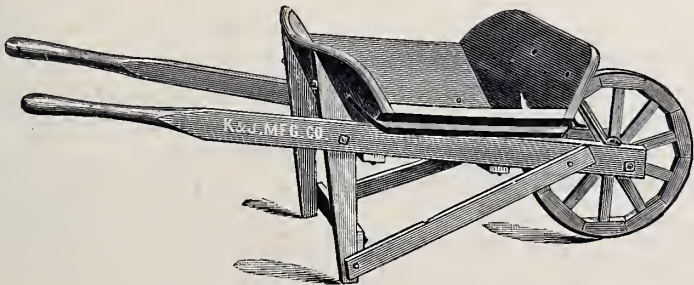
Picks.



5 to 6 lb., Solid Eye,	per doz., \$6.15	each, \$0.60
6 to 7 lb., Lipped Eye,	" 6.15	" .60

Railroad or Canal Barrow.

WITH JACOBS' PATENT WHEEL.

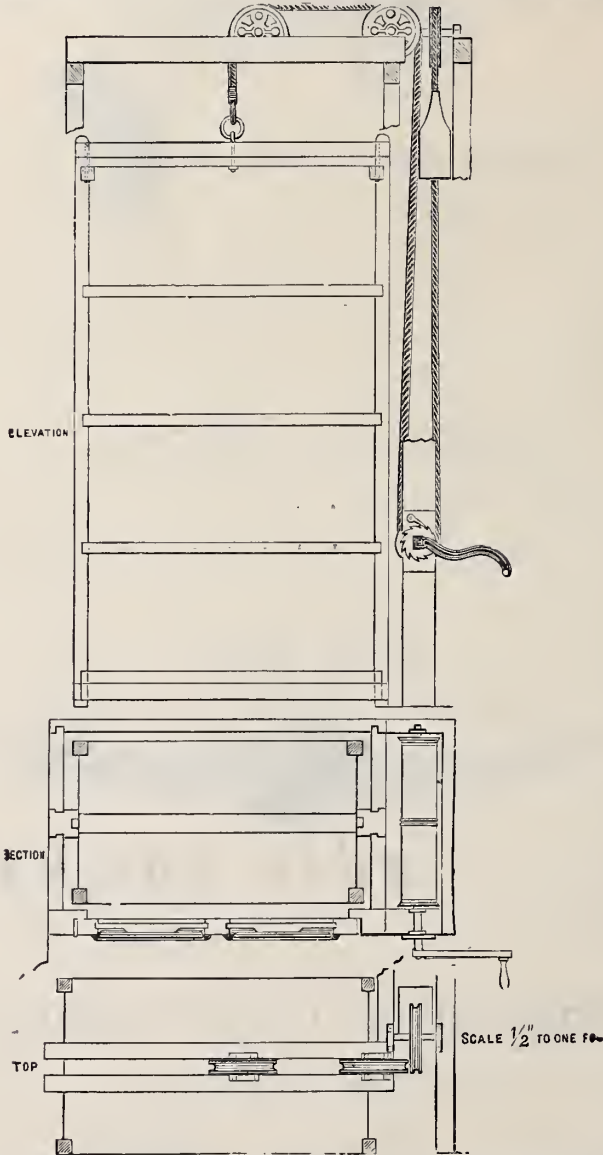


The Boss.

Tray bolted to legs and handles. Planed and well finished. Wheel painted The wheel revolves on a fixed axle bolt, similar to a buggy wheel, runs truly and evenly.

Price,	\$1.75
------------------	--------

DUMB WAITER HOISTS.



The forgoing cut represents a balanced Dumb Waiter moved by a Crank.

It is of a size and price suitable for Dwellings, Stores, Hotels, Hospitals and Factories.

It is convenient, easy and rapid to operate, and comparatively inexpensive.

There are many in use, the sliding case varying in size from 12 inches square to 18 or 20 inches by 36 inches, the size being determined by the room that can be spared for such a purpose.

The cut is intended to give an idea of about the size generally used in Dwelling-Houses and the manner of putting it up.

The Windlass Crank and Bearings for an ordinary size Dumb Waiter, will cost, \$12.50.

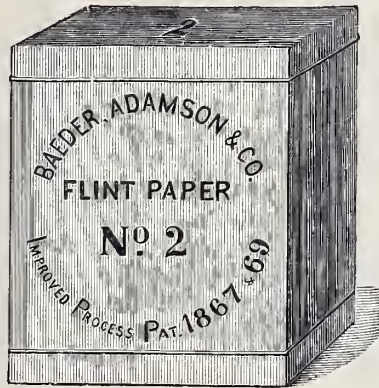
One Rope Eye, \$0.25

The cost of Rope and Weight will depend on the length of Rope and size of Weight.

DUMB WAITER WHEELS.

4	5	6	7	8	10	12	14	16 inch.
\$0.65	.75	.85	.90	1.00	1.25	1.50	1.75	2.00 each.

MILL SUPPLIES.



BAEDER, ADAMSON & Co.'s BEST FLINT PAPER.

	Per ream.	Per quire.
Nos. 00, 0, 1/2, 1, 1 1/2,	\$3.65	\$0.25
" 2, 2 1/2, 3,	4.00	.25

Extra Flint Sand Paper,

IN ROLLS OF 50 YARDS.

23 1/2 inches wide,	{ Nos. 00 to 1 1/2,	per roll, \$4.35
	{ No. 2,	" 4.75
	{ " 2 1/2,	" 5.20
	{ " 3,	" 5.60
	{ " 3 1/2,	" 6.45
	{ " 4,	" 7.45

Best Noodle Cut Glue.

Per lb. (5 lb. Lots), ..	\$0.25
Per lb. (by barrel), .....	.23

Le Page's Liquid Fish Glue.

ALWAYS READY FOR USE.

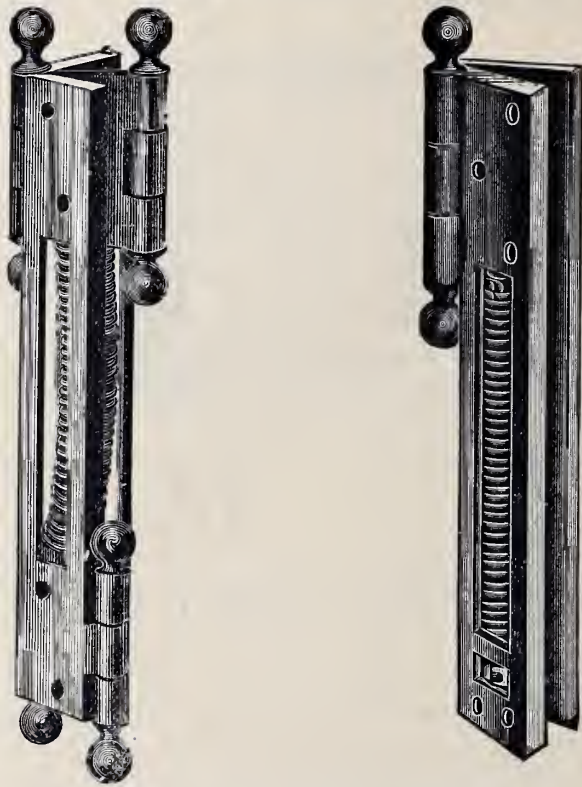


1/2 Pint in Tin Can,	\$2.50	\$0.25
1 " "	4.25	.45
1 Quart "	7.00	.70
1 Gallon "	19.75	1.85

Barbed Blind Staples.

Sizes, 1/2, 5/8, 3/4 inch,	\$0.95 per Box (10 lbs. in Box.)
" 3/8 inch,	1.10 " " "

CHICAGO SPRING HINGES.
SINGLE AND DOUBLE ACTION.



DOUBLE ACTION SPRING HINGES.

No.	DESCRIPTION.	For Doors, INCH.	1	1¼	1½	1¾	2¼	2¾
1	Japanned, Plain Spring,	Per pair,.....	\$1.20	\$1.50	\$2.50	\$4.00	\$ 7.00	\$10.00
31	Bronze Plated, Bronzed Spring,	"	3.00	3.75	5.50	7.50	10.00	14.00
41	Bronze Metal, Bronzed Spring,	"	8.50	9.50	12.00	20.00	30.00	39.00

DOUBLE ACTION BLANK BUTTS.

No.	DESCRIPTION.	For Doors, INCH.	1	1¼	1½	1¾	2¼	2¾
3	Japanned, Plain Spring,	Per pair,.....	\$0.60	\$0.75	\$1.25	\$ 2.00	\$ 3.50	\$ 5.00
33	Bronzed Plated, Bronzed Spring,	"	1.50	1.88	2.75	3.75	5.00	6.50
43	Bronze Metal, Bronzed Spring,	"	4.25	4.75	6.00	10.00	15.00	19.50

SINGLE ACTION SPRING HINGES.

No. 2. JAPANNED.			No. 32. BRONZE PLATED.		
For Doors, Inch.	¾ to 1½,	1¼ to 2.	For Doors, Inch.	¾ to 1½,	1¼ to 2
Per Pair,	\$1.00	\$2.25	Per Pair,	\$2.00	\$4.50

We take great pleasure in placing before our Customers The Chicago Spring Hinge, which we consider one of the best in the market, both in appearance and durability, and at a less price than any other first-class Double Action Spring Hinge. The spring is not contained in the butt, but placed in a connecting case between two three leaved butts, which allows the use of a long spring, and when applied to the door and closed nothing is seen more than an ordinary butt for corresponding size of door, avoiding the clumsy appearance usual to spring butts, with the spring contained in them. But one spring is used for each butt, which is attached to the centre of bottom and top centre leaf, giving the spring a purchase power in closing equal to the distance from axis to centre of leaf as it uncoils itself, in addition to contraction in length of spring sustained in opening the door. But little labor or mechanical skill is required in applying them. By drawing a top and bottom pin on opposite sides, one outside leaf is released to apply to door, and when replaced will allow the other outside leaf to be taken off in the same way to be applied to jam, and when hung the door can be removed same as any ordinary Loose Pin Butt. The Double Acting Blank Butt is intended to be used with Spring Butt to reduce the cost on doors, light enough for one spring to operate them. The same general description applies to the Single Action Spring Butt, except having but two leaves. It is applied to the door like a Fast Joint Butt.

WOLLENSACK'S PATENT TRANSOM LIFTER AND LOCK.

Class 3.

Hinged on Top.

Class 1.

Hung on centres.—Work either way.
To "Pull Down," or to "Push up."

Class 4.

Hinged at Bottom.



With these devices, Transoms may be raised or lowered at will with great ease, and locked in any position. No other fastenings are required. Class 1 and 3 are the same device, and may be used in three different ways, as shown.

REQUIREMENTS.

For Dwellings.....use $\frac{1}{4}$ in.
For Offices.....use 5-16 in.
For Heavy Store.....use $\frac{3}{8}$ in.
For Extra Heavy Store...use $\frac{1}{2}$ in.

Extra Heavy Transoms, when Hinged either at Top or Bottom, should have a Lifter on each side.

Class No. 1 and No. 3.

Per doz.

Price each.

3 ft. x $\frac{1}{4}$,
4 ft. x 5-16,
4 ft. x $\frac{3}{8}$,
5 ft. x $\frac{3}{8}$,
6 ft. x $\frac{3}{8}$,

\$ 5.85
9.75
13.00
14.50
16.00

\$0.60
1.00
1.30
1.45
1 6^c

Class No. 4.

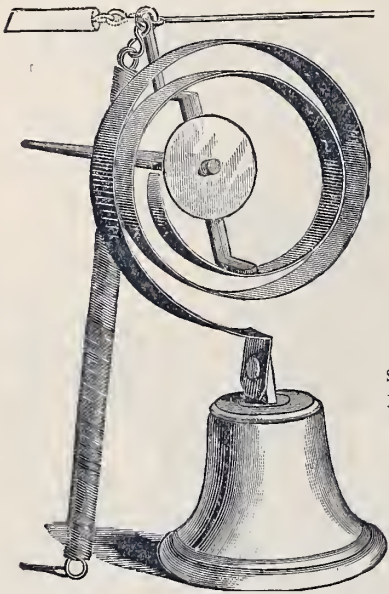
Per doz.

Price each.

3 ft. x $\frac{1}{4}$,
4 ft. x 5-16,
4 ft. x $\frac{3}{8}$,
5 ft. x $\frac{3}{8}$,
6 ft. x $\frac{3}{8}$,

\$ 8.00
12.00
16.00
17.00
18.00

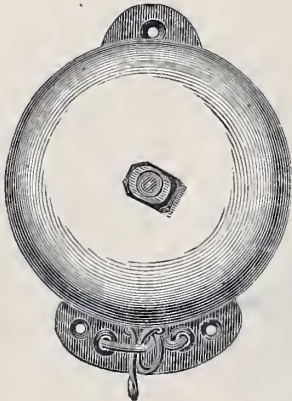
\$0.80
1.20
1.60
1.70
1.80



MOUNTED HOUSE
BELLS.

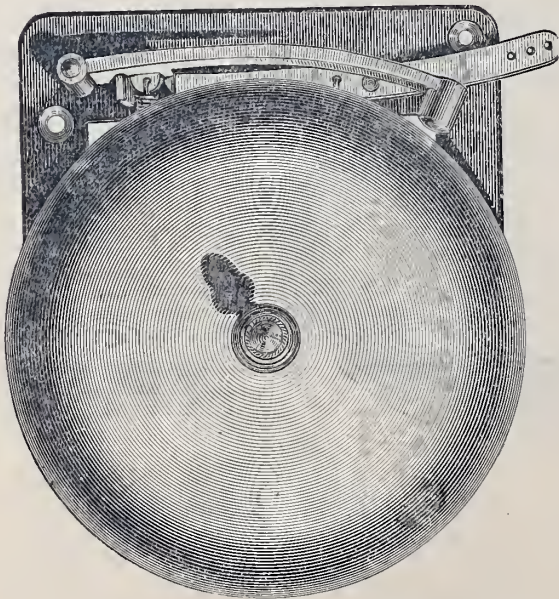
Best quality of Bell Metal House Bells, mounted on a sheet spring with Rosette Shank and Check Spring.

No.		Each.
2.	Mounted House Bells.....	\$0.60
3.	“ “ “ .....	.65
4.	“ “ “ .....	.75



BARTON'S GONG BELLS.

		Bronzed.	Polished.
3 in.	. . . . .	Each \$0.25	\$0.40
4 “	. . . . .	“ .30	.50
5 “	. . . . .	“ .40	.70
6 “	. . . . .	“ .50	1.00



HALL DOOR
GONGS.

These gongs are made of the best Bell Metal, and are warranted to give satisfaction.

Size.	No.		Each.
3 in.	10.	Hall Door Gongs,	\$0.90
4 “	“	“ “ “	1.00
5 “	“	“ “ “	1.35
6 “	“	“ “ “	1.90
7 “	“	“ “ “	2.65
8 “	“	“ “ “	3.50
10 “	“	“ “ “	5.00
12 “	“	“ “ “	9 00
13 “	“	“ “ “	12.00
15 “	“	“ “ “	16.50
18 “	“	“ “ “	20.00

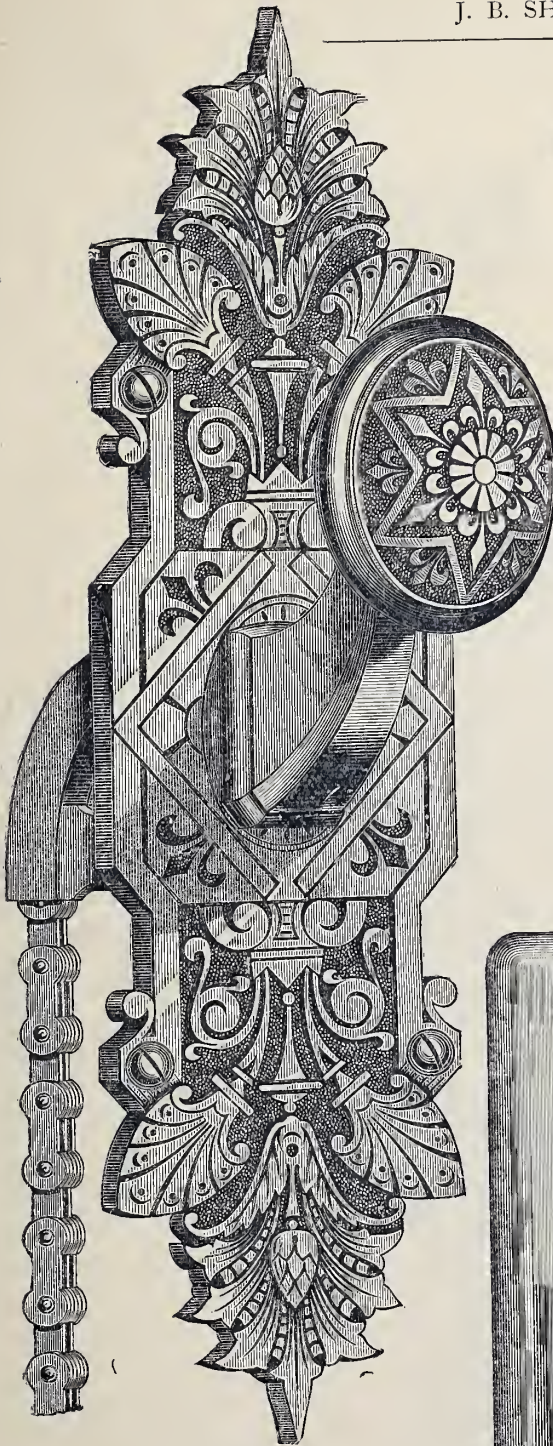
A full line of Iron and Copper Bell Wire, and Bell Hangers' Materials.

Ornamental Real Bronze Bell Pulls.

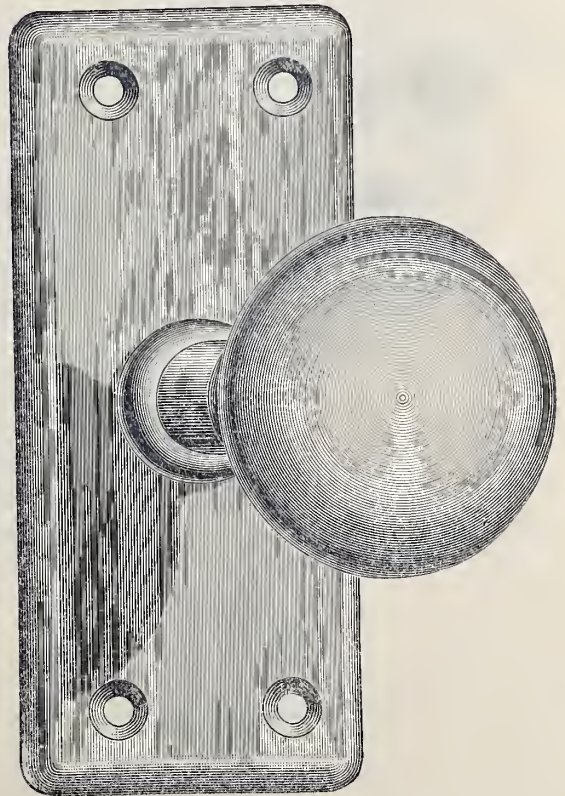
- | No. | Each. |
|--|-------|
| 410. Ornamental Real Bronze
LEVER Bell Pulls, size
of plate, $7\frac{1}{4} \times 2$ inches, \$1.75 | |
| 412. Ornamental Real Bronze
STRAIGHT Bell Pulls,
size of plate, $3\frac{1}{4} \times 1\frac{3}{8}$
inches, \$0.60 | |

Plain Real Bronze Bell Pulls.

- | No. | Each. |
|--|-------|
| 411. Plain Real Bronze LEVER
Bell Pulls, size of
plate, 7×2 inches,..... \$2.00 | |
| 413. Plain Real Bronze
STRAIGHT Bell Pulls,
size of plate, $4 \times 1\frac{7}{8}$
inches, \$1.25 | |

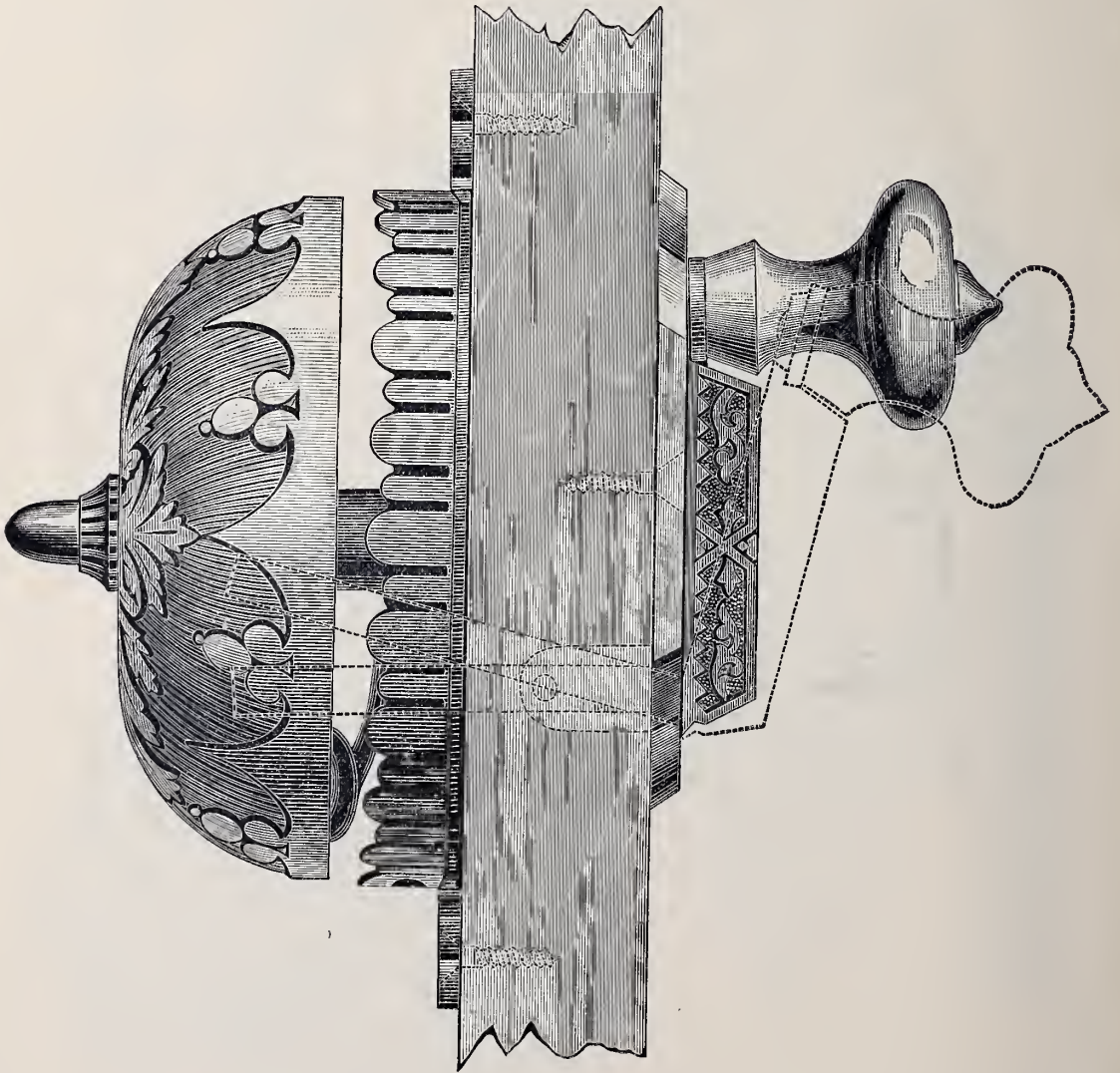


No. 410.



No. 413

DOOR BELLS.



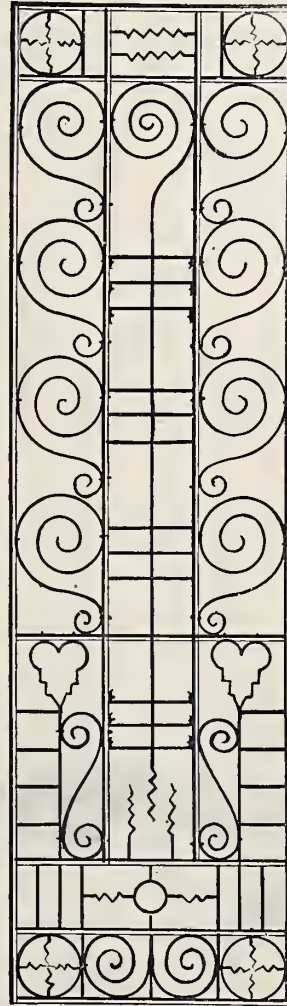
No. 807. Ornamental Real Bronze Bell Pull, with $3\frac{1}{2}$ inch Bronze Gong, \$0.90

No. 809. Ornamental Real Bronze Bell Pull, with 4 inch Bronze Gong, 1.15

GRILLS FOR FRONT DOORS.



No. 3 GRILL.



No. 12 GRILL.

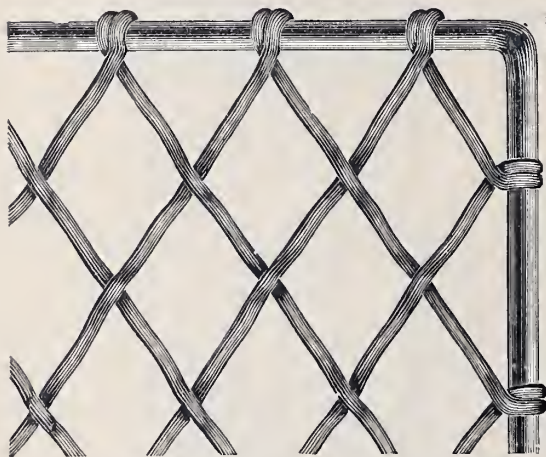
We will make Grills as per above design,

	Per sq. foot
No. 3. Of Wrought Brass or Bronze Metal, at..	\$9.00
No. 3. Of Wrought Iron, Bower-Barff Rustless Finish, at.....	5.50
No. 12. Of Wrought Brass or Bronze Metal, at.....	8.50
No. 12. Of Wrought Iron, Bower-Barff Rustless Finish, at.....	7.00

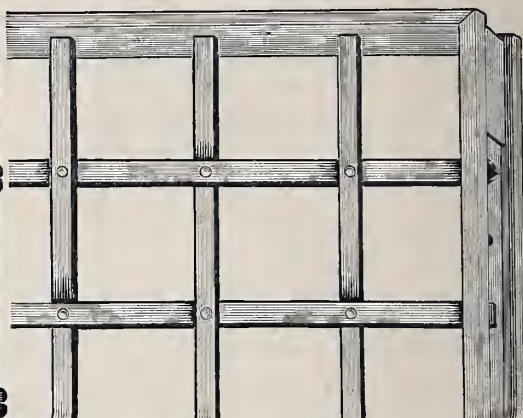
J. B. SHANNON & SONS,

1020 MARKET STREET.

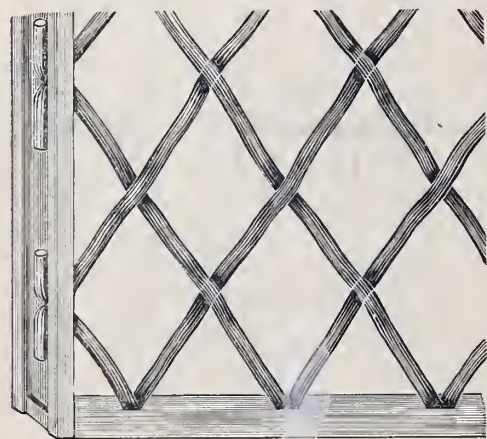
Brass Guards.



No. 896. Brass Guards.
Diamond Pattern with round rod
frame. Per square foot. . . \$0.60

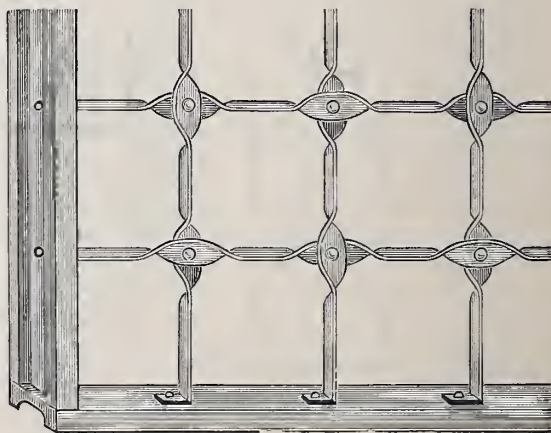


No. 893. Brass Lattice Panel made
of $\frac{1}{16} \times \frac{5}{16}$ flat, polished strips, basket
woven. Per square foot, . . \$1.50



No. 897.

No. 897. Brass Guards.
Diamond Pattern with brass chan-
nel frame. Per square foot, \$0.75



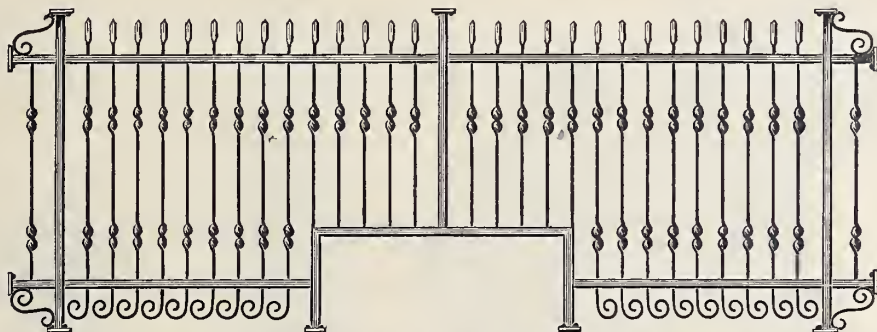
No. 894 and 895.

No. 894. Brass Lattice Panel made
of $\frac{1}{16} \times \frac{5}{16}$ flat, polished strips, quarter
twisted and basket woven. Per
square foot, \$1.75

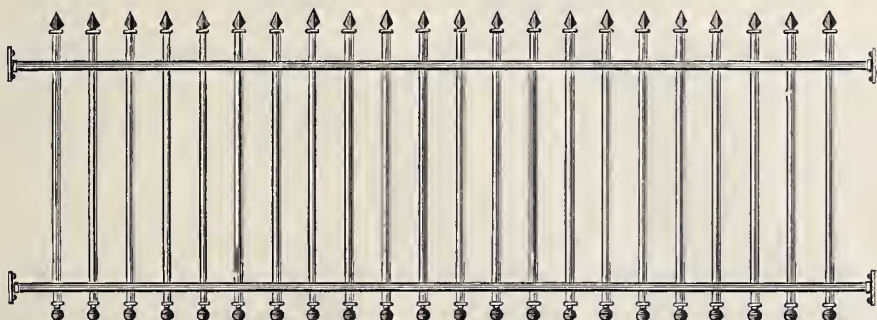
No. 895. Same as above. Made of
Iron, and Bower-barffed rustless
finish (which produces a beautiful
blue-black effect). Per square foot, \$1.50

Fine Polished Brass Railing.

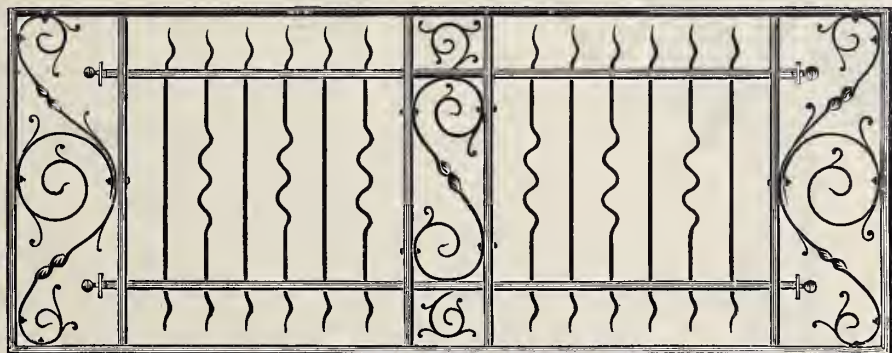
No. 890.



No. 891.



No. 892.

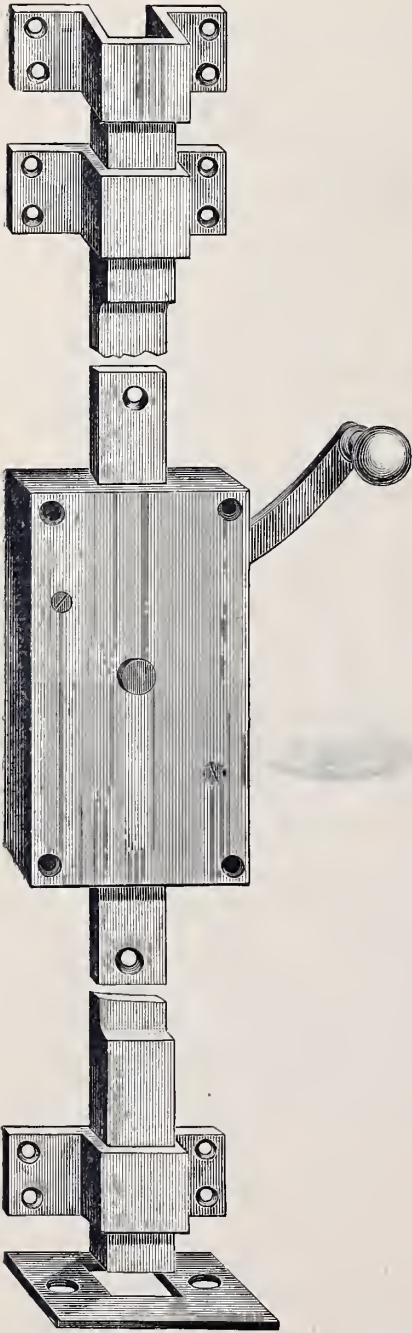


No. 890.	Fine Polished Brass Railing,	.	.	per square foot, about \$3.00
" 891	"	"	.	" 2.25
" 892	"	"	.	" 5.00

Price depends somewhat on the quantity.

We are prepared to make Brass or Bronze Metal Railings from special designs.

Engine House Door Bolts.



This bolt is especially designed for the Front Doors of Engine Houses. It is operated by means of a lever handle.

In ordering these bolts state exact height of Door and distance from bottom of door to lever handle.

No. 930. Japanned Wrought Iron

Engine House Door Bolts, Each, \$6.00

No. 931. Copper Bronzed Engine

House Door Bolts, . . Each, \$8.00

No. 932. Nickel Plated Engine

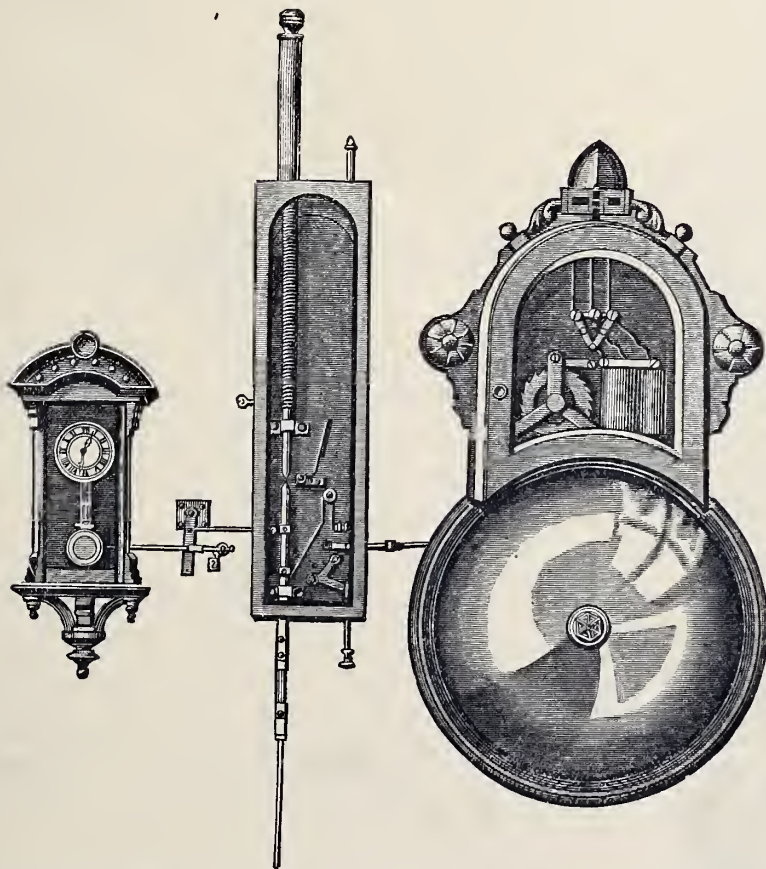
House Door Bolts, . . Each, \$9.00

MANUFACTURED BY

J. B. SHANNON & SONS,

1020 Market Street, Philadelphia.

ENGINE HOUSE TRIPS.



The Engine House Trip is used with the Electric Fire Alarm System, for the purpose of shortening the time required to make ready to leave the house after an alarm comes in. The trip is placed alongside the alarm bell and by the first backward motion of the hammer of the gong preparatory to striking, the automatic trip lever is freed, which throws the stall doors open, also stopping the clock at the same instant, showing the exact time the alarm comes in. The whole connection is made by simply pulling down the lever at the lower end of the case. It can be arranged to light the gas if desired. It is simple in construction and not likely to get out of order. We take pleasure in referring to Chief Engineer Cantlin, of the Philadelphia Fire Department; Captain Stillman, of the Fire Insurance Patrol, Philadelphia; Keystone Hook & Ladder Co., Reading, Pa.; Vigilant Fire Co., York, Pa.; Chief Engineer, A. Fernandez, Savannah, Ga.; Delaware Fire Co., Wilmington, Del.; Goodwill Fire Co., Trenton, N. J.

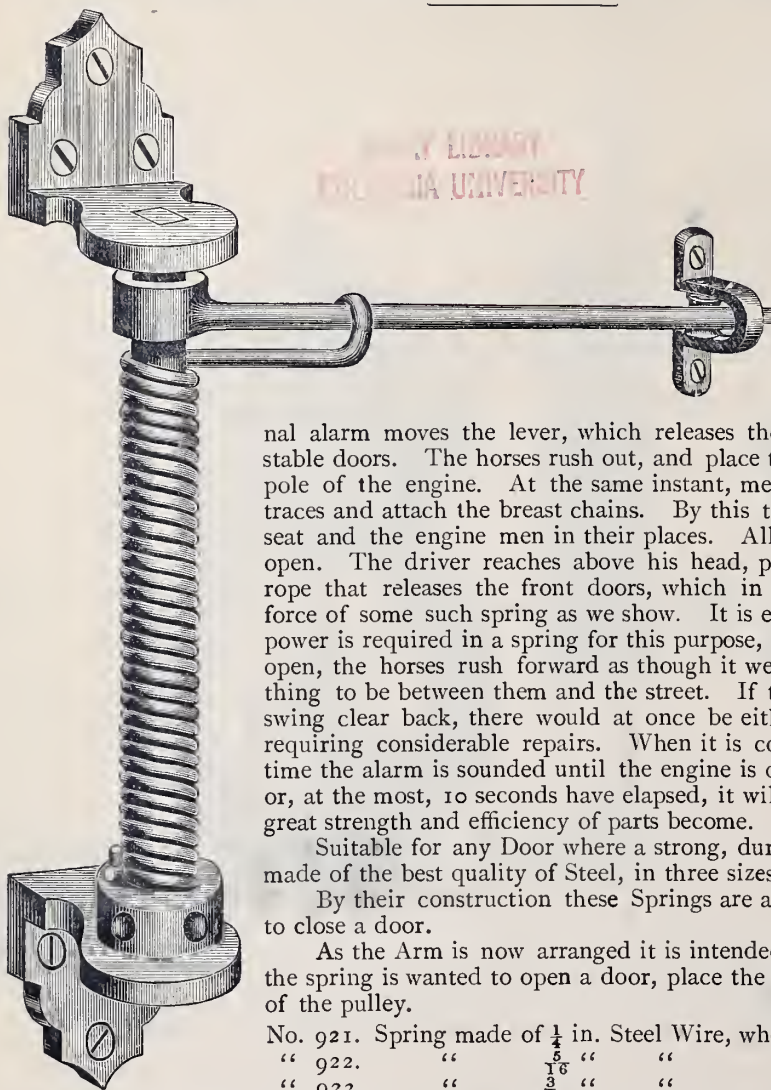
No. 920. Engine House Trip, \$25.00

MANUFACTURED BY

J. B. SHANNON & SONS,

1020 MARKET STREET, Phila.

ENGINE HOUSE DOOR SPRINGS.



To any one who has seen the rapid preparation made for getting an engine to the scene of a fire after an alarm has been sounded, it will be plain that the efficiency of the department in some measure depends upon how suddenly the door can be opened automatically. Systems vary somewhat as between different cities, although in the main they agree. The original

alarm moves the lever, which releases the horses, and opens the stable doors. The horses rush out, and place themselves alongside the pole of the engine. At the same instant, men are ready to hook the traces and attach the breast chains. By this time the driver is on his seat and the engine men in their places. All is ready for the door to open. The driver reaches above his head, pulls a ring attached to a rope that releases the front doors, which in turn swing open by the force of some such spring as we show. It is evident that considerable power is required in a spring for this purpose, for as the doors start to open, the horses rush forward as though it were not possible for anything to be between them and the street. If the doors should fail to swing clear back, there would at once be either an engine or a door requiring considerable repairs. When it is considered that from the time the alarm is sounded until the engine is out of the house only 8, or, at the most, 10 seconds have elapsed, it will be seen how necessary great strength and efficiency of parts become.

Suitable for any Door where a strong, durable Spring is required, made of the best quality of Steel, in three sizes.

By their construction these Springs are adapted to swing open or to close a door.

As the Arm is now arranged it is intended to close a Door, and if the spring is wanted to open a door, place the Arm on the other side of the pulley.

					EACH.
No. 921.	Spring made of $\frac{1}{4}$ in. Steel Wire,	whole length	24 in.,	\$3.00	
" 922.	" $\frac{5}{16}$ "	"	30 "	4.00	
" 923.	" $\frac{3}{8}$ "	"	36 "	5.50	

We can furnish these Springs with Copper Bronzed Bearings and Nickel Plated Springs, as follows:

No. 921.	. . . . .	Each, \$4.75
" 922.	. . . . .	" 6.00
" 923.	. . . . .	" 7.75

Our Improved Check Attachment for holding the door open can be applied to Springs at following additional cost:

No. 921.	. . . . .	Each, \$1.00
" 922.	. . . . .	" 1.25
" 923.	. . . . .	" 1.50

MANUFACTURED BY

J. B. SHANNON & SONS,

1020 Market Street, Philadelphia.

Ornamental Loose Pin Butts.



For description and price, see page 4.